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JULY/DECEMBER 1984

SPACE SHUTTLE AEROTHERMODYNAMIC DATA REPORT

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July/December 1984

Prepared under NASA Contract Number NAS9-17179

by

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Michoud Engineering Office
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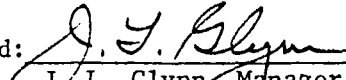
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Systems Engineering Division

Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

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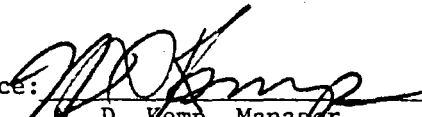

W. D. Kemp, Manager
Data Management Services

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1. INTRODUCTION

Space shuttle aerothermodynamic data, collected from a continuing series of wind tunnel tests, are permanently stored with the Data Management Services (DMS) system. Information pertaining to current baseline configuration definition is also stored. This report lists documentation of DMS processed data arranged sequentially and by space shuttle configuration.

Purpose of this report is to provide an up-to-date record of all applicable aerothermodynamic data collected, processed, or summarized during the space shuttle program. Tables are designed to provide survey information to the various space shuttle managerial and technical levels. Table 1-1 summarizes the contents and purposes of report sections.

Table 1-1. Summary of Data Base Records

<u>Item</u>	<u>Contents</u>	<u>Purpose</u>
Baseline configurations	Space shuttle configurations designated as reference or baseline	Current baseline configuration reference
Summary data reports	List of DMS reports presenting results of data analysis or refinements	Index of space shuttle aerothermo design data reports
Data file report digest	Compilation of space shuttle tests into operational status and basic configuration groups	Information arranged by vehicle on tests DMS processed or has in process
Wind tunnel test/DMS data processing summary	Table of space shuttle test data for which results have been incorporated into DMS data base	Reference of test data in DMS data base sequentially by data report number
Space shuttle facility wind tunnel summary	Summary of all space shuttle tests by facility	Information arranged by facility on tests DMS processed or has in process

2. BASELINE CONFIGURATION DESIGNATIONS

Configurations designated as baseline or reference configurations are in this report. Figure 2-1 shows the orbiter, figure 2-2 the launch vehicle, figure 2-3 the ET and SRB, and figure 2-4 the carrier.

3. SUMMARY DATA REPORTS

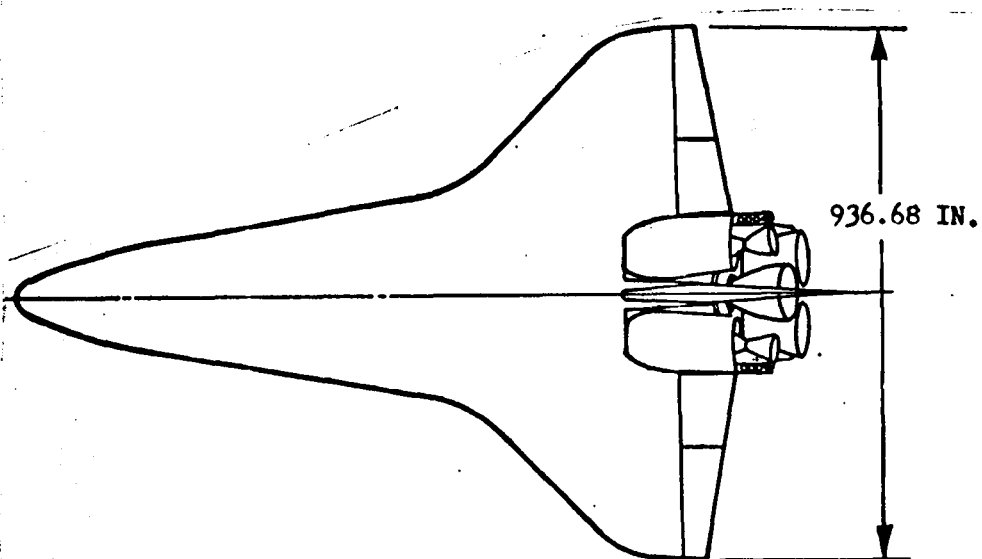
Summary data reports differentiate from data reports in that data reports present basic wind tunnel data as collected and summary reports contain data germane to a particular design application of the basic aerothermo test data. Summary reports range from basic data reports of edited or refined data to reports presenting gleanings from basic data reports.

The list of summary reports (table 3-1) contains DMS-generated documents.

4. DATA FILE REPORT DIGEST

Data file digest (table 4-1) compiles all information in the DATAMAN system into three categories:

- 1) Recently published reports - current six-month period.
- 2) Tests in process
- 3) Published reports



REFERENCE	
AREA	$S_w = 2690 \text{ FT}^2$
MAC	$c = 474.81 \text{ IN.}$
C.G.	$X_o = 1076.7 \text{ IN.}$
SPAN	$b_w = 936.68 \text{ IN.}$
LENGTH	$L_B = 1290.3 \text{ IN.}$

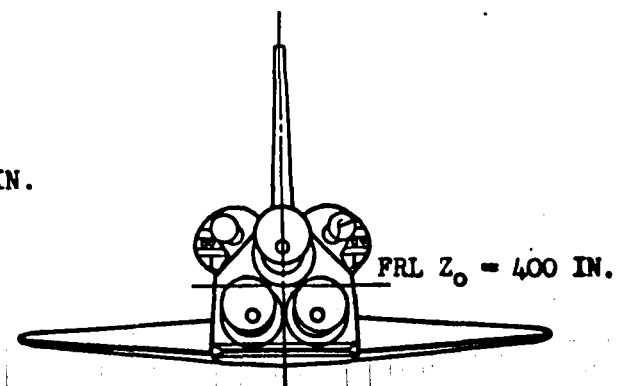
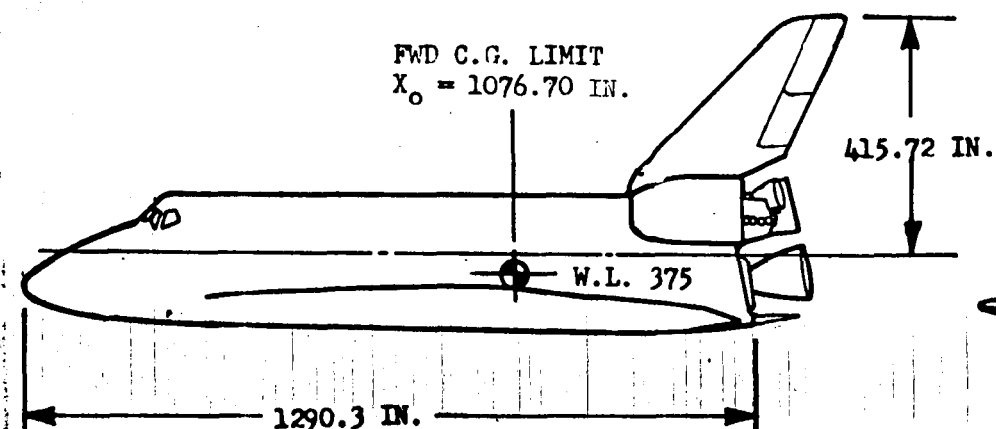
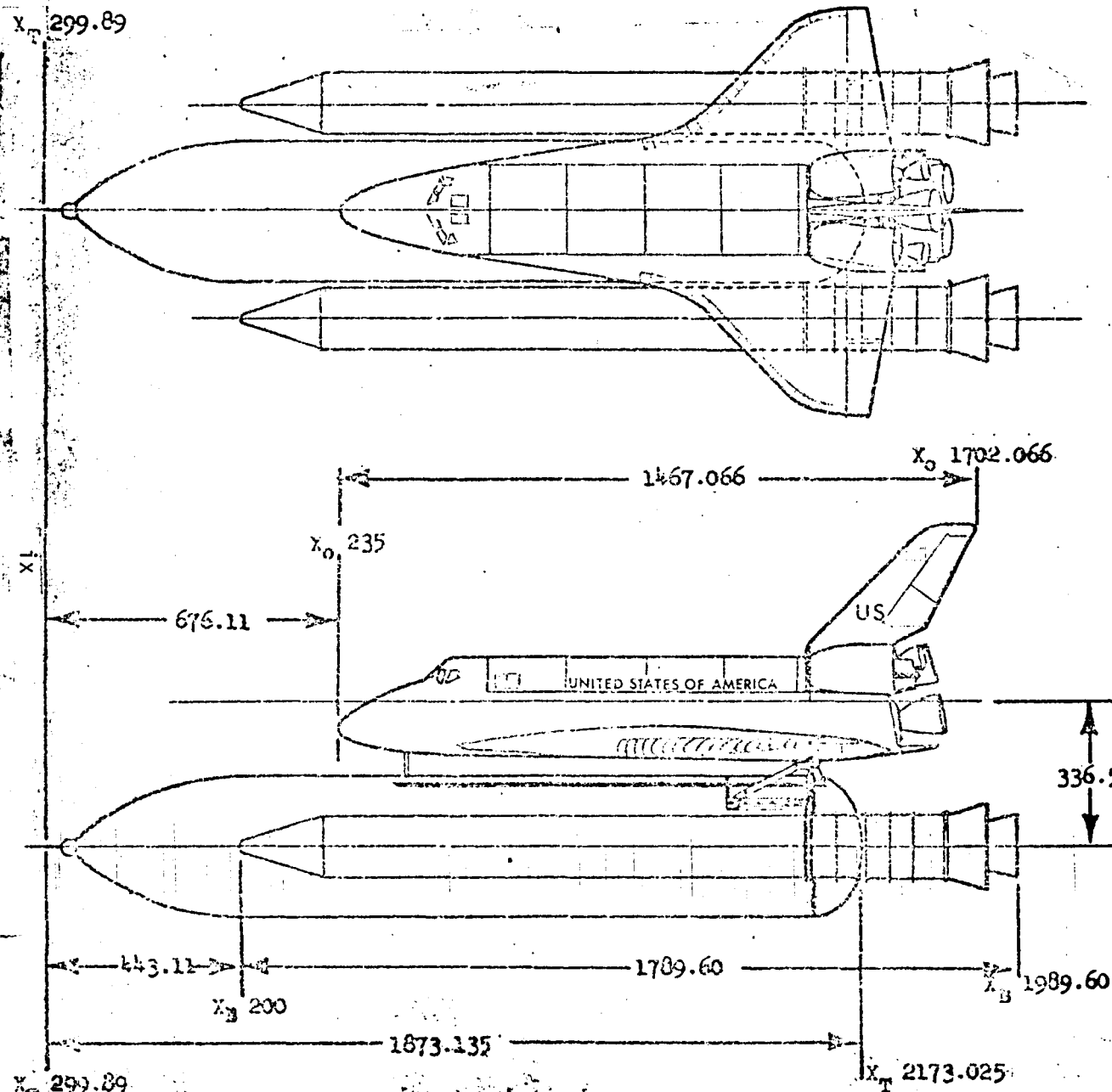


Figure 2-1. SSV Orbiter 5 Configuration Baseline



All dimensions in inches.

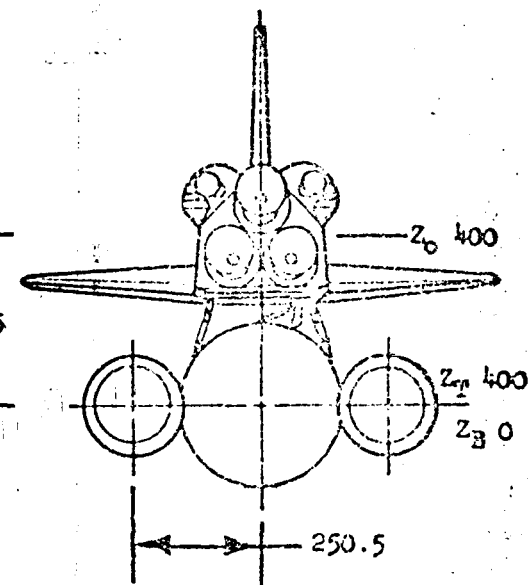


Figure 2-2. Configuration 5 Launch Vehicle

REFERENCE DIMENSIONS (FS)

	ORBITER	747 CARRIER
WING AREA $\sim \text{Ft}^2$	2690	5500
MAC (\bar{c}) \sim INCHES	474.81	327.78
SPAN (b) \sim INCHES	936.68	2348.04
MOMENT REFERENCE CENTER	67.5% LB	25.0 % \bar{C}
F.S. \sim INCHES	1109.0	1339.9
W.P. \sim INCHES	375.0	190.8

Aft Orbiter
Attach Point

BWL 400 (Y_o 96.51)
BSTA 1607 (Z_o 267.5)
(X_o 1317)

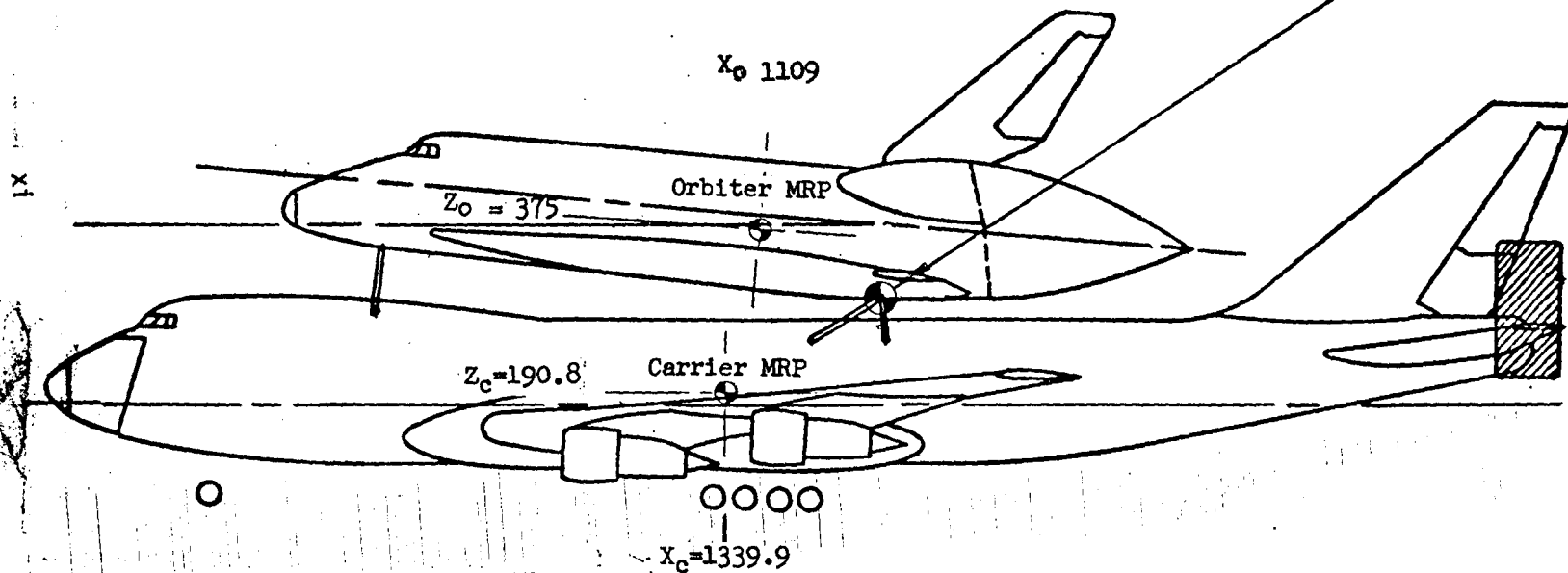


Figure 2-4. Orbiter/747 Flight Test Configuration

Each section is subdivided into five configuration categories:

- 1) Booster data
- 2) Orbiter data
- 3) Booster/orbiter data
- 4) External tank data
- 5) Carrier data

Information on each test is as follows:

- 1) DMS report number
- 2) NASA series number
- 3) NASA CR number
- 4) NASA TM X- number
- 5) Two-character test code
- 6) Configuration (specific)
- 7) Test number

5. WIND TUNNEL TEST/DATAMAN DATA PROCESSING SUMMARY

Space shuttle wind tunnel test data incorporated into the DATAMAN data base are listed by DMS report number in the processing summary (table 5-1). This summary collects test particulars so the reader can evaluate or categorize data. It contains the following information:

- 1) Test facility
- 2) Test identification
- 3) Configurations tested
- 4) Purpose of test
- 5) Type of test
- 6) Model scale

- 7) Test Mach number range
- 8) Testing agency
- 9) Cognizant test/DMS personnel
- 10) Basic publication numbers

6. SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

Numerous wind tunnel facilities test space shuttle configurations. Table 6-1 collects information on tests completed or in process, grouped by facility.

It contains the following information:

- 1) Two-character test code
- 2) Facility
- 3) Tunnel
- 4) Test number
- 5) NASA series number
- 6) DATAMAN report number

TABLE 3-1. Summary Data Reports List
(No Data Available at Present)

TABLE 4-1.
Data File Report Digest

INDEX OF RECENT PUBLICATIONS
JULY /DECEMBER

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ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2220 V-08	LA52		72661	140 A/B SPACE SHUTTLE ORBITER	LARC - 20-INCH HYPERSONIC TUNNEL (MACH 6) - 6458	HN
2459 V-01	OA310A OA310B OA310C	167,685		AFRSI SSV PRESSURE-LOADS MODEL 84- 0	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 587-1	A2
2459 V-02	OA310A OA310B OA310C	167,686		AFRSI SSV PRESSURE-LOADS MODEL 84- 0	LERC - 8 BY 6-FOOT SUPERSONIC WIND TUNNEL - 046 /LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL 074	A4
2516	OS311	167,688		MODEL 127-0, AFRSI BONDED TO SUPPO RT PLATE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 562-2/5	A8
2517	OS314A/B/C	167,689		AFRSI BLANKET PANELS FORM-FITTED O VER A TWO-DIMENSIONAL MODEL OF AN	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 582-1	A9
2519	OA309	167,692		140C SPACE SHUTTLE ORBITER	NRLAD - LOW SPEED WIND TUNNEL 838	D2

INDEX OF RECENT PUBLICATIONS
JULY /DECEMBER

3

INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2514	FA301	167,687		LAUNCH VEHICLE WITH INTERSTAGE FAI RINGS	MSFC - 14-INCH TRISONIC WIND TUNNEL 692	A6

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ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2188	LA39				LARC - UNITARY PLAN WIND TUNNEL 1075	QY
2213	LA53 LA54				LARC - FREON TUNNEL 220-237 20-INCH HYPERSONIC TUNNEL (MACH 6) - 456	HO
2228	LA46A/B				LARC - UNITARY PLAN WIND TUNNEL 1092/1117 1117	HG
2237	OA155			VEHICLE 5 ORBITER	LARC - V/STOL TRANSITION RESEARCH WIND TU NNEL 114	J7
2256	LA68				LARC - 22-INCH HELIUM TUNNEL 439	J8
2260	LA60B LA60C				LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 715 8-FOOT TRANSONIC PRESSURE TUNNEL 776	KB
2287	OS13				ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 166-1	NN
2291	LA79				NSWC - TUNNEL 8A 1275	JM

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ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2292	LA36B				LARC - LOW-TURBULENCE PRESSURE TUNNEL 214	JS
2339	OS32				ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TU NNEL 167-1	2C
2362	LA92				LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 764	K1
2379	LA106				LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 776	KC
2383	LA93				LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 130	K2
2394	LA109				LTV - HIGH SPEED WIND TUNNEL 611	FR
2411	LA116				LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 804	KM
2425	LA117				LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 813	KQ
2441	LA127				LARC - LOW-TURBULENCE PRESSURE TUNNEL 255	KU
2442	LA128				LTV - HIGH SPEED WIND TUNNEL 646	KY

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ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2446	LA122				LARC - UNITARY PLAN WIND TUNNEL 1270	KX
2447	OS52				ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 436-2	AB
2484	LA144			OV102-SSME ON	LTV - HIGH SPEED WIND TUNNEL 742	FS
2497	MA34			ORBITER FOREBODY	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) 594	T4
2521	OS310	167,694		MODEL 126-0, AFRSI	ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TUNNEL 560-1-22	D4
2522	OS315			128-0, OMS POD CONTOUR MODEL	AEDC - HYPERSONIC WIND TUNNEL (C) V-C-3E	D5

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INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2239	LA38B				LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 676	QX
2460	FA27				MSFC - 14-INCH TRISONIC WIND TUNNEL 655	1Y
2476	IA190A IA190B				ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 411-1,2,3 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY)	3U
2479	IA600				MSFC - 14-INCH TRISONIC WIND TUNNEL 658	6A
2518	IA301			LAUNCH VEHICLE WITH WING SPOILERS AND INTERSTAGE FAIRINGS	MSFC - 14-INCH TRISONIC WIND TUNNEL 695	D1
2520	IH97A/B/C	167,693		THIN-SKIN THERMOCOUPLE MODEL 60-OT S	AEDC - SUPERSONIC WIND TUNNEL (A) V-A-1X HYPERSONIC WIND TUNNEL (C) V-C-2E	D3
2523	LA301			LAUNCH VEHICLE WITH WING SPOILERS AND INTERSTAGE FAIRINGS	LARC - 16-FOOT TRANSONIC TUNNEL 390	D6
2524	IH42	167,695		PHASE-CHANGE PAINT MODEL, 56-OTS	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 218	D7

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BOOSTER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2012	SA1F	120,090		SRB(PRR)	MSFC - 14-INCH TRISONIC WIND TUNNEL 554	79
2025	SA3F	128,767		142-INCH DIAMETER SRB WITH AND WIT HOUT STRAKES	MSFC - 14-INCH TRISONIC WIND TUNNEL 565	80
2051	SA5F	128,774		BOOSTER MSFC MODEL NO.449	MSFC - 14-INCH TRISONIC WIND TUNNEL 572	86
2087	SA10F	134,116		SRB WITH VARIED SHROUD LENGTHS AND FLARE ANGLES	MSFC - 14-INCH TRISONIC WIND TUNNEL 578	91
2088	SA2FA SA2FB	134,105		142-INCH SOLID ROCKET BOOSTER	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 655 8-FOOT TRANSONIC PRESSURE TUNNEL 662	PS
2111	SA26F	134,435		MODEL 449/CONF.NBRE1, NBRE1A, NBRE 1B, NBRE1S1ELT	MSFC - 14-INCH TRISONIC WIND TUNNEL 590/595	95
2142	FA4	134,402		TITAN III C SRM	MSFC - 14-INCH TRISONIC WIND TUNNEL 587	97
2150	SA25F	141,511		SRB	LARC - UNITARY PLAN WIND TUNNEL 1087	H9
2161	SA6F	134,422		SRB-BODY ALONE	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL 035	GE

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BOOSTER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2207	SA29F	147,608		MODEL 467, SRB NOSE CONE AND FORWA RD CYLINDRICAL BODY	MSFC - HIGH REYNOLDS NUMBER WIND TUNNEL 033	1E
2216	SH12F	141,802		SRB	LARC - UNITARY PLAN WIND TUNNEL 1115	HA
2223	SA8F	141,549		ORB.W/ ATTACH RING,AFT RING,W/AND W/O PROTUBERANCES, NOSE CAP	MSFC - 14-INCH TRISONIC WIND TUNNEL 604	1H
2244	SA28F	151,082		146-INCH WITH AND WITHOUT PROTUBER ANCES	MSFC - 14-INCH TRISONIC WIND TUNNEL 603	1I
2277	SA13F	144,579		MODEL 461, 142-INCH DIA. WITHOUT P ROTUBERANCES	MSFC - HIGH REYNOLDS NUMBER WIND TUNNEL 034	1F
2310 V-01	SA14FB	151,083		RIGHT-HAND SRB REENTRY CONFIG.	MSFC - 14-INCH TRISONIC WIND TUNNEL 640	IP
2310 V-02	SA14FB	151,084		RIGHT-HAND SRB REENTRY CONFIG.	MSFC - 14-INCH TRISONIC WIND TUNNEL 640	IP
2325	SA14FA	147,645		CONF. 139	MSFC - 14-INCH TRISONIC WIND TUNNEL 620	10
2331 V-01	SA11F	160,838		SRB-WITH HEAT SHIELD(SOLID)	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL 074-1 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY)	NX

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BOOSTER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2331 V-02	SA11F	160,839		SRB-WITH HEAT SHIELD(SOLID)	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL - O74-1 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) -	NX
2334	SA16F	147,648		REENTRY CONFIG. WITH ALL MAJOR PRO TUBERANCES	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-4T) - E3A	VP
2345	SA21F		78195	146-INCH SRB/TRUNCATED NOSE (MODEL 486)	MSFC - 14-INCH TRISONIC WIND TUNNEL - 645	1R
2369	SA31F	167,345		SRB REENTRY CONFIG.	MSFC - HIGH REYNOLDS NUMBER WIND TUNNEL - O39	1T

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ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2001	MA5	128,750		NR ATP ORBITER	LARC - UNITARY PLAN WIND TUNNEL 1002	OQ
2002	LA1	128,752		NR PRR ORBITER	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 626	OU
2003	MA2	128,754		NR ATP ORBITER	LARC - 22-INCH HELIUM TUNNEL 409	OS
2004	MA1	120,082		MSC O40A ORBITER	LTV - 15-FOOT BY 20-FOOT SUBSONIC WIND T UNNEL S-081	DD
2005	OA1	120,070		NR ATP BASELINE ORBITER	MSFC - 14-INCH TRISONIC WIND TUNNEL 555	76
2007	OA4	128,760		NR SSV ORBITER	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 147	BI
2008	MA4	128,751		NR ATP ORBITER	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 89	OT
2008 R-01	MA4	128,751		NR ATP ORBITER	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 89	OT
2009	OA3	128,761		SHUTTLE ORBITER OA3	ARC - 6-FOOT BY 6-FOOT SUPERSONIC WIND T UNNEL 650	BH

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ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2014	OA7	128,753		NR PRR-SSV ORBITER	LARC - UNITARY PLAN WIND TUNNEL 1007	OV
2016	OA2	120,092		NR ATP ORBITER	NRLAD - LOW SPEED WIND TUNNEL 689	DF
2017	OA5	123,851		NR ATP ORBITER	NRLAD - LOW SPEED WIND TUNNEL 690	DG
2019	OA6	128,756		ATP AND PRR ORBITER	NRLAD - LOW SPEED WIND TUNNEL 694	DI
2020	OA9	128,757		PRR ORBITER	NRLAD - LOW SPEED WIND TUNNEL 696	DJ
2021 V-01	OA45	128,758		-89A ORBITER	NRLAD - LOW SPEED WIND TUNNEL 699	DL
2021 V-02	OA45	128,758		-89A ORBITER	NRLAD - LOW SPEED WIND TUNNEL 699	DL
2022	OA10	128,759		RI -89B ORBITER	NRLAD - LOW SPEED WIND TUNNEL 698	DK
2023	LA2	128,763		LO-100 ORBITER	LARC - 22-INCH HELIUM TUNNEL 411	OY
2029	OA47	128,765		2A ORBITER	MSFC - 14-INCH TRISONIC WIND TUNNEL 568	84

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ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2030	0A14	128,768		-89B ROCKWELL INTERNATIONAL SPACE SHUTTLE ORBITER	NRLAD - LOW SPEED WIND TUNNEL 700	DM
2031	LA3	128,769		LO-100 ORBITER	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 85	OZ
2033	LA4	128,772		LO-100 ORBITER	LARC - UNITARY PLAN WIND TUNNEL 995 1014	P1
2034	LA22	128,764		DOUBLE DELTA WING ORBITER	LARC - 22-INCH HELIUM TUNNEL 405	ON
2035	OH2A OH2B	134,077		THERMAL PROTECTION SYSTEM	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 158	BU
2036	LA5	128,775		LARC LO-100 ORBITER	LARC - 22-INCH HELIUM TUNNEL 413	P2
2037	0A84	134,405		140A/B ORBITER	LTV - HIGH SPEED WIND TUNNEL 488	FO
2038	0A16	128,793		NR ORBITER	NRLAD - LOW SPEED WIND TUNNEL 701	DN
2040	LA6	128,773		NAR 089-B-139 ORBITER	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 643	P4
2041	LA7A	128,781		LARC LO-100 ORBITER (SHIPS)	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 644	P5

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ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2042	IA52	134,087		ORBITER ALONE	MSFC - 14-INCH TRISONIC WIND TUNNEL 584	98
2043	LA16	128,770		RSI TILES,ORBITER	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL 624	PB
2044	OA11A	128,786		SHUTTLE ORBITER 2A	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 157	BS
2045	OA18	128,779		ROCKWELL SSV ORBITER	NRLAD - LOW SPEED WIND TUNNEL 704	DO
2046	LA17	128,776		LARC LO-100 ORBITER	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 648	PC
2047	LA31	134,086		O40A SPACE SHUTTLE CONFIGURATION	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 98	QN
2049	OH40	128,771		NR 2A ORBITER	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL 3619/3670	OX
2050	OA43	128,790		ROCKWELL SSV 2A ORBITER	ARC - 6-FOOT BY 6-FOOT SUPERSONIC WIND T UNNEL 706	BT
2052	LA10	128,791		LO-100 ORB(SHIPS) (BW2VFB)	LARC - UNITARY PLAN WIND TUNNEL 1015	P8

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ORBITER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2053 V-01	0A21B	128,792		ORBITER 3	NRLAD - LOW SPEED WIND TUNNEL 705	- DP
2053 V-02	0A21B	128,792		ORBITER 3	NRLAD - LOW SPEED WIND TUNNEL 705	- DP
2054	LA8A LA8B	128,796		NR ORBITER	LARC - UNITARY PLAN WIND TUNNEL 1023/1034	- P6
2055 V-01	0A48	128,780		ORBITER 139	MSFC - 14-INCH TRISONIC WIND TUNNEL 574	- 87
2055 V-01	0A48	128,780		ORBITER 139B	MSFC - 14-INCH TRISONIC WIND TUNNEL 574	- 87
2055 V-02	0A48	128,780		ORBITER 139	MSFC - 14-INCH TRISONIC WIND TUNNEL 574	- 87
2055 V-02	0A48	128,780		ORBITER 139B	MSFC - 14-INCH TRISONIC WIND TUNNEL 574	- 87
2055 V-03	0A48	128,780		ORBITER 139	MSFC - 14-INCH TRISONIC WIND TUNNEL 574	- 87
2055 V-03	0A48	128,780		ORBITER 139B	MSFC - 14-INCH TRISONIC WIND TUNNEL 574	- 87
2056	LA9	128,782		NAR 089B-MOD NOSE	LARC - LOW-TURBULENCE PRESSURE TUNNEL 130/135	- P7

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2056	LA9	128,782		NAR 089B-MOD NOSE + OMS	LARC - LOW-TURBULENCE PRESSURE TUNNEL 130/135	P7
2057	OA44	134,411		ORBITER, MODIFIED 2A,3	LARC - UNITARY PLAN WIND TUNNEL 1035	PN
2058	OA17	134,079		ORBITER NAR VL70-000134B CONFIG.	LARC - LOW-TURBULENCE PRESSURE TUNNEL 138	PP
2059	OA11B	128,798		ORBITER 2A	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 160	BX
2060	OA58	134,091		ORBITER 3,A	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 163	BY
2061	OA68	128,789		VL70-000147B (MODEL NO. 49-O)	NRLAD - 7-FOOT TRISONIC WIND TUNNEL 276	DR
2061	OA68	128,789		VL70-000139B (MODEL NO. 42-O)	NRLAD - 7-FOOT TRISONIC WIND TUNNEL 276	DR
2066	LA11	128,783		SPACE SHUTTLE ORBITER 089B-139	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 96	PD
2067	OS2	128,777		0.025 SCALE MODEL OF SPACE SHUTTLE ORBITER (24-O) FIN/RUDDER	LARC - 26-INCH TRANSONIC BLOWDOWN TUNNEL 544	PZ
2068	OA71A	128,797		-89B(2A) ORBITER	NRLAD - LOW SPEED WIND TUNNEL 708	DS

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2069	MA7	134,074		PRR ORBITER	LARC - UNITARY PLAN WIND TUNNEL 1031	PM
2071	OA23	128,799		MODEL 32-O	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 168	B6
2071	OA23	128,799		MODEL 49-O	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 168	B6
2073	OA70	134,070		MODEL 42-O OF THE VL70-000139B SSV ORBITER CONFIGURATION 3	LARC - UNITARY PLAN WIND TUNNEL 1043	PV
2074	OA57A	134,414		-89B SPACE SHUTTLE ORBITER FERRY C ONFIGURATION	NRLAD - LOW SPEED WIND TUNNEL 709	DT
2075	OH41	128,784		MODEL SS-H-00326-1	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL 3778/ 3855	P3
2076	OH41A	128,785		SS-H-00326-4	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL 4060/ 4079	P9
2076	OH41A	128,785		SS-H-00326B-5, -6, -7	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL 4060/ 4079	P9

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2077 V-O1	IA29 OA63	134,095			ARC - 6-FOOT BY 6-FOOT SUPERSONIC WIND T UNNEL - 630	EB
2079	LA15	134,083		089B-139B(MODIFIED NOSE)	LARC - 20-INCH HYPERSONIC TUNNEL (MACH 6) - 441	PH
2080 V-O1	OA57B	134,416		-89B SPACE SHUTTLE ORBITER FERRY C ONFIGURATION	NRLAD - LOW SPEED WIND TUNNEL - 713	DV
2080 V-O2	OA57B	134,417		-89B SPACE SHUTTLE ORBITER FERRY C ONFIGURATION	NRLAD - LOW SPEED WIND TUNNEL - 713	DV
2081 V-O1	OA69	141,580		-140 A/B SPACE SHUTTLE ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 711	DQ
2081 V-O2	OA69	141,581		-140 A/B SPACE SHUTTLE ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 711	DQ
2082	OA73	128,800		CONFIGURATION 3A ORBITER	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 167	B5
2083	OA20A	134,081		SSV 140A/B ORBITER	LARC - UNITARY PLAN WIND TUNNEL - 1057	Q2
2085	OH10 IH2	167,344			ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 171	B9
2086	OA71C	134,078		-89B ORBITER	NRLAD - LOW SPEED WIND TUNNEL - 712	DU

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2089	0A25	134,082		140A/B	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 661	Q1
2090	LA8C	134,080		089B-139B ORBITER CONFIGURATION	LARC - UNITARY PLAN WIND TUNNEL 1040	P6
2091	LA7B	141,512		LO-100 ORBITER	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 657/660	P5
2092	0A72		71968	ORBITER 139B (34-O)	LARC - 22-INCH HELIUM TUNNEL 415	PT
2094	OS1	134,073		BASIC WING AND 11 HZ INBD AND 13.5 HZ OUTBD ELEVON ROTATIONAL FREQ	LARC - 26-INCH TRANSONIC BLOWDOWN TUNNEL 545	QT
2095	0A49	134,404		ORBITER	MSFC - 14-INCH TRISONIC WIND TUNNEL 581	92
2096	OH13	134,101		B10C5D7F4M3V5W87	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL 644	PO
2097	0A62A	134,102		140A/B SSV ORBITER	NRLAD - LOW SPEED WIND TUNNEL 715	DW
2100	OH3A OH3B	134,075			AEDC - HYPERSONIC WIND TUNNEL (B) VA289	TM

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2101	OH42A OH42B OH42C	134,076		B17C7M4F5W103E22V7R5	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL 4080/4105 4130/4193	PA
2102	IA15	134,089		0T+L+P1+A1+F	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 175	EG
2103	IA62F	134,094		(034)(T14)(S12)	MSFC - 14-INCH TRISONIC WIND TUNNEL 589 TRISONIC WIND TUNNEL	94
2103	IA62F	134,094		(034)(T9)(S12)(PT4)(FR4)	MSFC - 14-INCH TRISONIC WIND TUNNEL 589 TRISONIC WIND TUNNEL	94
2104 V-01	OA62B	134,112		140A/B SSV ORBITER	NRLAD - LOW SPEED WIND TUNNEL 717	DZ
2104 V-02	OA62B	134,113		140A/B SSV ORBITER	NRLAD - LOW SPEED WIND TUNNEL 717	DX
2106	LA14A LA14B		72630	089B ORB.W/MOD NOSE	LARC - UNITARY PLAN WIND TUNNEL 1046/1049	PG
2107	LA20		72631	089B ORBITERW/MOD. NOSE	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL 653	PK
2109	OH45	141,527		147B CONFIGURATION ORBITER MODEL (50-0)	LARC - FREON TUNNEL 121-137	QS

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2113	0A85	134,111		VL70-000139	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 101	QI
2114	0A86	134,098		B30 THRU B50C9M7F8W116E26V8R5X9	NRLAD - LOW SPEED WIND TUNNEL 716	DX
2115	0A87	134,085		140A/B	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 176	EF
2116	0A91	134,888		B19C7F5J59W107E23V7R5X20 + NACELLE RAKES	NRLAD - 7-FOOT TRISONIC WIND TUNNEL 278	DY
2117	0H14	147,617		B22C7F5M4V7W111	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL 648	QL
2120	0A106	134,426		ORBITER	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 668	QZ
2121	LA38A			TASK CANCELLED, JULY, 1975	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 669	QX
2124	IA16 0A26	134,093		140A/B ORBITER CONFIGURATION	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 180	EM
2125	0A88	134,409		BODY ALONE (-140A/B)	LARC - 22-INCH HELIUM TUNNEL 422	QC
2126	LA25			TASK CANCELLED, DEC., 1976	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 100	PX

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2127	LA35		71954	-139 B ORBITER WITH VARIOUS CONTROL DEFLECTIONS	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 102	QU
2128 V-01	OA53A	134,114		140A/B	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 747	EJ
2128 V-02	OA53A	134,115		140A/B	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 747	EJ
2130	OA22A	141,529		SSV 140A/B ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 716	B2
2131	OA22B	141,530		SSV 4 140A/B ORBITER	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) 716	B4
2132	LA42	141,535		-089B W/MOD NOSE	AEDC - HYPERSONIC WIND TUNNEL (B) 48A	TP
2133	IA58	134,110		ORBITER	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 107	QK
2134 R-01	OA77 OA78	134,429		ORBITER -140A/B CONFIG.	AEDC - HYPERSONIC WIND TUNNEL (B) VA474 HYPERSONIC WIND TUNNEL (C)	TN
2135	LA13			TASK CANCELLED, AUGUST, 1974	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL - 99	PF

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2137 V-02	0A105	134,106		CONFIGURATION3, MODEL 32-0	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 109	H2
2139	0A118	134,407		VL70-000140A/B, MODEL 43-0	NRLAD - LOW SPEED WIND TUNNEL 724	F6
2140	0A37	134,408		140 A/B SPACE SHUTTLE ORBITER	NRLAD - LOW SPEED WIND TUNNEL 719	F2
2141	0H11	141,538		MODEL NO. 29-O/VL70-000139	AEDC - HYPERSONIC WIND TUNNEL (B) VA354	TS
2147	0A20C	134,097		140A/B SSV ORBITER	LARC - UNITARY PLAN WIND TUNNEL 1057	Q2
2149	0A90	141,805		CONFIG. 4 (-140A/B) MODEL 72-0	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 110	QJ
2151	0H6	141,815		THERMOCOUPLE MODEL OF SSV ORB. 139	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 183	EQ
2152 R-01	0A81	134,423		VEHICLE 4 ORBITER (MODEL 51-0)	AEDC - HYPERVELOCITY WIND TUNNEL (F) VA489	TO
2153	IH1	151,377		TANK ALONE	LARC - UNITARY PLAN WIND TUNNEL 1071	Q7
2154	0H4A	134,437		MODEL 29-0	AEDC - HYPERSONIC WIND TUNNEL (B) VA352	TT

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2155	0A110	134,406		B61C11F12M51W124E40	NRLAD - LOW SPEED WIND TUNNEL 721	F5
2157	IH19	141,822		ORBITER WITH EXTERNAL TANK	LARC - HYPERSONIC NITROGEN TUNNEL 28	QE
2159 V-01	0A59	134,410		140 A/B SSV ORBITER	ARC - 6-FOOT BY 6-FOOT SUPERSONIC WIND T UNNEL 709	ER
2159 V-02	0A59	134,412		140 A/B SSV ORBITER	ARC - 6-FOOT BY 6-FOOT SUPERSONIC WIND T UNNEL 709	ER
2162	0A36	134,430		140 A/B, VEHICLE 4	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 187	EP
2163	0A20B	134,403		140A/B	LARC - UNITARY PLAN WIND TUNNEL 1097	Q2
2164 V-02	OH12 IH21	141,829		EXTERNAL TANK	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL I73-100	UG
2167	0A98	141,550		140A/B	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 190	EQ
2171 V-01	OH38	144,584		140C ORBITER	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 198	EZ

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2171 V-02	OH38	144,585		140C ORBITER	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 198	EZ
2171 V-03	OH38	144,586		140C ORBITER	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 198	EZ
2172	OA99	134,415		SSV ORBITER CONF. 2 (MODEL 21-O OF VL70-000139)	LARC - 60-FOOT VACUUM SPHERE VON KARMAN F ACILITIES R3289	H7
2176	LA40		72661	139B ORBITER	LARC - 22-INCH HELIUM TUNNEL 426	H3
2177	OA83	141,510		140A/B SSV ORBITER	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 194	EW
2178	OA53B	134,119		140A/B	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 747	EK
2179	OS8A/B	151,378		SS ORBITER LOWER WING CARRY-THROUG H STRUCTURE WITH A DUMMY PANEL , A	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 705 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY)	EX
2182	LA49	151,062		O89B/139	LARC - UNITARY PLAN WIND TUNNEL 1101	HJ
2183	LA51		72661	140A/B	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 684	HV

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2184	LA48	151,061		089B/140	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 680	HI
2185	OA53C	134,120		140A/B	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 747	EL
2186	OA116	134,428		.015-SCALE ORBITER MODEL, CONFIGURA TION 140A/B (49-O)	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 686	HU
2187	OA119A	134,421		140A/B SPACE SHUTTLE ORBITER INNER MOLD LINE CONFIGURATION, (MODEL 1	NRLAD - LOW SPEED WIND TUNNEL 726	F8
2190	OA108	141,537		0.004-SCALE ORBITER FORCE MODEL (7 4-O)	MSFC - 14-INCH TRISONIC WIND TUNNEL 599	1D
2191	LA47		72661	140A/B	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 104	HH
2193	OH26	151,380		SS ORB. 140B MODEL (MODIFIED 22-O)	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 199	E2
2195	OA82	134,442		ORBITER CONFIG. 3	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 113	HL
2196	OA79	141,531		ORBITER 140A/B	AEDC - HYPERSONIC WIND TUNNEL (B) 71A	TW
2198	OA115	141,534		ORBITER 140A/B	AEDC - SUPERSONIC WIND TUNNEL (A) 71A	TV

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2202	OA123	141,526		140A/B OUTER MOLD LINE CONFIGURATION	NRLAD - LOW SPEED WIND TUNNEL 731	- FA
2203	OA119B	141,524		140C OUTER MOLD LINE CONFIGURATION	NRLAD - LOW SPEED WIND TUNNEL 730	- F9
2205	OA109	141,532		RI SPACE SHUTTLE ORBITER VEHICLE 4 (MODIFIED) CONFIGURATION	LARC - 22-INCH HELIUM TUNNEL 431	- HE
2209	OA124	141,536		MODEL 43-O	NRLAD - LOW SPEED WIND TUNNEL 736	- FB
2211 V-O1	CA5	141,800		0.03-SCALE 45-O (ORBITER) MODEL	TBCA - TRANSONIC WIND TUNNEL 1431	- GM
2211 V-O2	CA5	141,803		0.03-SCALE 45-O (ORBITER) MODEL	TBCA - TRANSONIC WIND TUNNEL 1431	- GM
2211 V-O3	CA5	141,804		0.03-SCALE 45-O (ORBITER) MODEL	TBCA - TRANSONIC WIND TUNNEL 1431	- GM
2214	OA89	141,513		140C MODIFIED SPACE SHUTTLE ORBITER MODEL 74-O	LARC - HYPERSONIC NITROGEN TUNNEL 30-31	- QD
2215	LA58	144,592		SSV ORBITER CONFIGURATION 140A/B-O .015 SCALE	LTV - HIGH SPEED WIND TUNNEL 512	- HY
2220 V-O8	LA52		72661	140 A/B SPACE SHUTTLE ORBITER	LARC - 20-INCH HYPERSONIC TUNNEL (MACH 6) - 6458	- HN

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2221	0A143	141,548		140C CONFIGURATION ORBITER (MODEL 16-O)	NRLAD - LOW SPEED WIND TUNNEL 737	FC
2222 V-01	0H49B	147,626		B25C10M4F10E26R5V7W116	AEDC - HYPERSONIC WIND TUNNEL (B) 57A	V1
2222 V-02	0H49B	147,627		B25C10M4F10E26R5V7W116	AEDC - HYPERSONIC WIND TUNNEL (B) 57A	V1
2225	0H4C	141,505		MODEL 21-O, LINES VL70-000139	AEDC - HYPERSONIC WIND TUNNEL (B) VA352	TZ
2229	0A102	141,508		SSV 140A/B	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 687	HM
2232	0A131	141,521		MODEL 74-O, CONF. 4	MSFC - 14-INCH TRISONIC WIND TUNNEL 607	1M
2233	LA59	151,068		72-OTS (B26C9E44F10FL10/11M16N28/8 6PS1-SR5S21T2,V8W116	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 703	HZ
2234	0A113	141,547		ORBITER WITH ELEVON AND BODY FLAP DEFLECTIONS	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL 184-220	UH
2238	0A93	141,847		51-O	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL 184-120	UI
2241 V-01	0H39	160,490		MODEL 60-3, VEH. 4	AEDC - HYPERSONIC WIND TUNNEL (B) 74A	V9

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2241 V-02	0H39	160,491		MODEL 60-3, VEH. 4	AEDC - HYPERSONIC WIND TUNNEL (B) 74A	- V9
2241 V-03	0H39	160,492		MODEL 60-3, VEH. 4	AEDC - HYPERSONIC WIND TUNNEL (B) 74A	- V9
2241 V-04	0H39	160,493		MODEL 60-3, VEH. 4	AEDC - HYPERSONIC WIND TUNNEL (B) 74A	- V9
2245 V-01	0A161A/B/C	147,618		SPACE SHUTTLE VEHICLE ORBITER 140A /B (MODIFIED)	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL 094	- E7
2245 V-02	0A161A/B/C	147,619		SPACE SHUTTLE VEHICLE ORBITER 140A /B (MODIFIED)	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL 094	- E7
2246	LA65	144,600		WING-BODY WITH VARIATIONS	ARC - 12-FOOT PRESSURE TUNNEL 086	- NC
2247	0A160	141,834		MODEL 51-O OF MODIFIED VEH. 4 ORB. (B26 C9 E26 F7 M7 N28 R5 V8 W116)	AEDC - HYPERVELOCITY WIND TUNNEL (F) 28A	- VA
2250	0H43	141,539		15-O, FLAT PLATE MODEL	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 182	- ND
2251	0H9	141,540		MODEL 29-O/VL70-006139	AEDC - HYPERSONIC WIND TUNNEL (B) VA353	- V5

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2252	OH25A	141,546		ORB.; 40(SEMISPAN; BODY FLUSH; LE AD. EDGE; TRANSITION;SEMISPAN WING	AEDC - HYPERSONIC WIND TUNNEL (B) 83A	V6
2254 V-01	OA148 OA148P	144,619		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 073	E8
2254 V-02	OA148 OA148P	144,620		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 073	E8
2254 V-03	OA148 OA148P	144,621		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 073	E8
2254 V-04	OA148 OA148P	144,622		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 073	E8
2254 V-05	OA148 OA148P	144,623		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 073	E8
2254 V-06	OA148 OA148P	144,624		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 073	E8
2254 V-07	OA148 OA148P	144,625		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 073	E8

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2254 V-08	0A148 0A148P	144,626		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 073	E8
2254 V-09	0A148 0A148P	144,627		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 073	E8
2254 V-10	0A148 0A148P	144,628		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 073	E8
2254 V-11	0A148 0A148P	147,601		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 073	E8
2254 V-12	0A148 0A148P	147,602		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 073	E8
2254 V-13	0A148 0A148P	147,603		VEHICLE 5 ORBITER	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 073	E8
2257	LA69	151,369		OUTER MOLD LINE MODEL 72-OTS	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 714	J9
2259	LA60A			TASK CANCELLED, MAY 1977	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 704	J1

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2261 V-01	0A100	167,364		ORBITER VEHICLE 101 WITHOUT TAILCO NE	ARC - 40-FOOT BY 80-FOOT SUBSONIC WIND T UNNEL 462	NA
2261 V-02	0A100	167,365		ORBITER VEHICLE 101 WITHOUT TAILCO NE	ARC - 40-FOOT BY 80-FOOT SUBSONIC WIND T UNNEL 462	NA
2263	0H74	144,596		140 C ORB (B62 C12 E52 F10 M16 R19 V8 W127)	AEDC - HYPERSONIC WIND TUNNEL (B) B8A	VB
2264	LA62	141,843		SSV ORBITER 49-O MODIFIED	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 717	J3
2265	0A159	141,832		CONFIG 1 ORBITER WITH NOSE AND TAI L RCS JETS	ARC - 12-FOOT PRESSURE TUNNEL 078	NG
2266	LA67	144,607		140A/B/C=B26 C9 E43 F8 M16 N28 R5 V8 W	LTV - HIGH SPEED WIND TUNNEL 552	FD
2267 V-01	MA22	147,604		REACTION CONTROL SYSTEM	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 118	JA
2267 V-02	MA22	147,605		REACTION CONTROL SYSTEM	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 118	JA
2267 V-03	MA22	147,606		REACTION CONTROL SYSTEM	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 118	JA

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2267 V-04	MA22	147,607		REACTION CONTROL SYSTEM	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 118	JA
2268 V-01	CA9 CA9P	151,396		ORBITER 47-0	TBCA - TRANSONIC WIND TUNNEL 1477	GQ
2268 V-02	CA9 CA9P	151,397		ORBITER 47-0	TBCA - TRANSONIC WIND TUNNEL 1477	GQ
2268 V-03	CA9 CA9P	151,398		ORBITER 47-0	TBCA - TRANSONIC WIND TUNNEL 1477	GQ
2268 V-04	CA9 CA9P	151,399		ORBITER 47-0	TBCA - TRANSONIC WIND TUNNEL 1477	GQ
2268 V-05	CA9 CA9P	151,400		ORBITER 47-0	TBCA - TRANSONIC WIND TUNNEL 1477	GQ
2269	LA70	147,624		140A/B/C=B26 C9 E43 F8 M16 N28 R5 V8 W	CALSPAN - 8-FOOT TRANSONIC WIND TUNNEL T18-103	UK
2270	LA63A	144,579		ORBITER W/ INDEPENDENTLY-OPERATED LEFT,RIGHT ELEVON SURFACES	LARC - UNITARY PLAN WIND TUNNEL 1118	J4
2271	LA71A/B	151,044		MODEL 69-0 WITH FOREBODY RSI MODS	LARC - UNITARY PLAN WIND TUNNEL 1147 1132	JC
2273 V-01	CA26	144,612		48-0 (02, 04, 06, S1, ATY, ATX)	LTV - HIGH SPEED WIND TUNNEL 559	FE

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2273 V-02	CA26	144,613		48-O (02, 04, 06, S1, ATY, ATX)	LTV - HIGH SPEED WIND TUNNEL 559	- FE
2273 V-03	CA26	144,614		48-O (02, 04, 06, S1, ATY, ATX)	LTV - HIGH SPEED WIND TUNNEL 559	- FE
2273 V-04	CA26	144,615		48-O (02, 04, 06, S1, ATY, ATX)	LTV - HIGH SPEED WIND TUNNEL 559	- FE
2273 V-05	CA26	144,616		48-O (02, 04, 06, S1, ATY, ATX)	LTV - HIGH SPEED WIND TUNNEL 559	- FE
2275 V-01	CA23B	144,603		0.0125-SCALE 747 MODEL	ARC - 14-FOOT TRANSONIC WIND TUNNEL 120	- NH
2275 V-02	CA23B	144,604		0.0125-SCALE 747 MODEL	ARC - 14-FOOT TRANSONIC WIND TUNNEL 120	- NH
2278	LA61			TEST CANCELLED, MAY 1976	LARC - LOW-TURBULENCE PRESSURE TUNNEL 219	- J2
2279	LA63B	144,606		140A/B/C (B26 C9 E43 F8 M16 N28 R5 V8 W)	LARC - UNITARY PLAN WIND TUNNEL 1151	- J4
2280	LA28	144,582		FLAT-PLATE MODEL WITH THIN-FILM H EAT FLUX GAGES	LTV - HIGH SPEED WIND TUNNEL 498	- QB
2281	LA66	147,621		BASELINE	ARC - 12-FOOT PRESSURE TUNNEL 135-1	- NJ

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2283	MA14	147,649		ORBITER 089B	LTV - LOW SPEED WIND TUNNEL 422	- FG
2285	OH50A	144,595		82-0, WITH AND WITHOUT PROTUBERANCES, 50% FOREBODY MODELS	AEDC - HYPERSONIC WIND TUNNEL (B) VA526/21BA	- VE
2286	OA220	147,625		SSV ORBITER (MODEL 57-0) FOREBODY WITH TPS TILES ALONE	ARC - 14-FOOT TRANSONIC WIND TUNNEL 150-1	- NL
2288	OH64	151,384		BASE HEATING MODEL 25-0	LERC - SPACE POWER FACILITY	- GG
2289 V-01	OA163	147,611		SPACE SHUTTLE ORBITER 140C	NRLAD - LOW SPEED WIND TUNNEL 751	- FF
2289 V-02	OA163	147,612		SPACE SHUTTLE ORBITER 140C	NRLAD - LOW SPEED WIND TUNNEL 751	- FF
2289 V-03	OA163	147,613		SPACE SHUTTLE ORBITER 140C	NRLAD - LOW SPEED WIND TUNNEL 751	- FF
2289 V-04	OA163	147,614		SPACE SHUTTLE ORBITER 140C	NRLAD - LOW SPEED WIND TUNNEL 751	- FF
2290 V-01	CA8	147,641		747 ALONE	LARC - V/STOL TRANSITION RESEARCH WIND TUNNEL 129	- JF
2290 V-02	CA8	147,642		747 ALONE	LARC - V/STOL TRANSITION RESEARCH WIND TUNNEL 129	- JF

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2290 V-03	CA8	147,643		747 ALONE	LARC - V/STOL TRANSITION RESEARCH WIND TU NNEL 129	JF
2294 V-01	0A172	160,822		140A/B SS ORBITER (MODEL 43-O) ORB ITER FERRY CONFIGURATION	NRLAD - LOW SPEED WIND TUNNEL 752	FG
2294 V-02	0A172	160,823		140A/B SS ORBITER (MODEL 43-O) ORB ITER FERRY CONFIGURATION	NRLAD - LOW SPEED WIND TUNNEL 752	FG
2296 V-01	LA81	147,609		.03614-SCALE ORBITER MODEL OF A O8 9B CONFIGURATION WITH A 139B CONFI	LARC - LOW-TURBULENCE PRESSURE TUNNEL 229	JP
2296 V-02	LA81	147,610		.03614-SCALE ORBITER MODEL OF A O8 9B CONFIGURATION WITH A 139B CONFI	LARC - LOW-TURBULENCE PRESSURE TUNNEL 229	JP
2297	LA45A/B	147,628		WING	LARC - UNITARY PLAN WIND TUNNEL 1145	HB
2298	LA73A LA73B	151,409		SSV ORBITER MODEL 69-O	LARC - LOW-TURBULENCE PRESSURE TUNNEL 227 LOW-TURBULENCE PRESSURE TUNNEL 238	JE
2300	LA61B	147,629		140A/B/C (B26 C9 E43 F8 M16 N28 R5 V8 W)	LARC - LOW-TURBULENCE PRESSURE TUNNEL 228	JT
2301	0H54A	144,605		MODELS 82-1, -3, -5, -8, -11, ALL 50 PERCENT FOREBODIES	AEDC - HYPERSONIC WIND TUNNEL (B) 82A	VH

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2302 V-01	OA174	167,340		ORBITER VEHICLE 101 WITH TAIL CONE	ARC - 40-FOOT BY 80-FOOT SUBSONIC WIND T UNNEL 479	NO
2302 V-02	OA174	167,341		ORBITER VEHICLE 101 WITH TAIL CONE	ARC - 40-FOOT BY 80-FOOT SUBSONIC WIND T UNNEL 479	NO
2303	OH75	144,618		MODELS 82-1, -4, 50 PERCENT FOREBO DIES	AEDC - HYPERSONIC WIND TUNNEL (B) E3A	VG
2304	OA173	160,846		TAILCONE-ON	ARC - 12-FOOT PRESSURE TUNNEL 180-1	NS
2305 V-01	LA76	151,059		B26C9E43F8M16N28R5V8W	LTV - HIGH SPEED WIND TUNNEL 573	FI
2305 V-02	LA76	151,060		B26C9E43F8M16N28R5V8W	LTV - HIGH SPEED WIND TUNNEL 573	FI
2307 V-01	CA14A	160,840		BOEING 747 CAM/ORBITER - ALT CONFI GURATION	TBCA - TRANSONIC WIND TUNNEL 1496 1497	GR
2307 V-02	CA14A	160,841		BOEING 747 CAM/ORBITER - ALT CONFI GURATION	TBCA - TRANSONIC WIND TUNNEL 1496 1497	GR
2309	LA72	147,644		FOREBODY B1, B6, B7	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 740	JD

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2311	LA78 LA87 LA88	147,620		B58C5E18F4R5V5W87-VEHICLE 2A (MODIFIED)	LARC - FREON TUNNEL 267-268 22-INCH HELIUM TUNNEL 446	J5 - -
2314	OA176	151,406		LANDING	NRLAD - LOW SPEED WIND TUNNEL 754	FJ -
2317	OH53A	151,787		0.04-SCALE (83-O)ORBITER	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 216	NV -
2318 V-01	LA75	147,646		ORBITER-140A/B/C=B26 C9 E43 F8 M16 N28 R5 V8 W	LARC - UNITARY PLAN WIND TUNNEL 1173	JH -
2318 V-02	LA75	147,647		ORBITER-140A/B/C=B26 C9 E43 F8 M16 N28 R5 V8 W	LARC - UNITARY PLAN WIND TUNNEL 1173	JH -
2320 V-01	OA169	151,390		ORBITER 0.0125 70-OT	AEDC - HYPERSONIC WIND TUNNEL (B) D8A	VJ -
2320 V-02	OA169	151,391		ORBITER 0.0125 70-OT	AEDC - HYPERSONIC WIND TUNNEL (B) D8A	VJ -
2320 V-03	OA169	151,392		ORBITER 0.0125 70-OT	AEDC - HYPERSONIC WIND TUNNEL (B) D8A	VJ -
2321 V-01	OH69	151,410		ORBITER VEHICLE FOREBODY	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-E9A	VM -

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2321 V-02	OH69	151,411		ORBITER VEHICLE FOREBODY	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-E9A	VM
2322	OA228	160,847		SPACE SHUTTLE ORBITER VEHICLE 102	NRLAD - LOW SPEED WIND TUNNEL 757	FL
2329	OA224	160,837		SSV ORBITER (MODEL 57-0) FOREBODY W/ ADP, FTP, AND ADP AND FTP	LARC - 16-FOOT TRANSONIC TUNNEL 312	JU
2330	OH52	147,637		CONF. 4, MODEL 29-0	AEDC - HYPERSONIC WIND TUNNEL (B) 524	VO
2332	CA13	151,373		ORBITER- TAILCONE ON, TC23, STING MOUNTED	ARC - 14-FOOT TRANSONIC WIND TUNNEL 121	NZ
2333 V-01	OA175	151,374		01+TC23'ALT' CONFIGURATION WITH TA ILCONE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 187-1	2A
2333 V-02	OA175	151,375		01+TC23'ALT' CONFIGURATION WITH TA ILCONE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 187-1	2A
2333 V-03	OA175	151,376		01+TC23'ALT' CONFIGURATION WITH TA ILCONE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 187-1	2A
2336	LA145	167,375		LARC .0098-SCALE CAST ALUMINUM	LARC - UNITARY PLAN WIND TUNNEL 1345 1390	7H

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2337	0A236	151,786		FLIGHT TEST PROBE CALIBRATION	NRLAD - LOW SPEED WIND TUNNEL 759	- FM
2340 V-01	0H98	160,501		0.0175-SCALE THIN-SKIN THERMOCOUPLE SHUTTLE ORBITER 60-0	AEDC - HYPERSONIC WIND TUNNEL (B) J7A	- VS
2340 V-02	0H98	160,502		0.0175-SCALE THIN-SKIN THERMOCOUPLE SHUTTLE ORBITER 60-0	AEDC - HYPERSONIC WIND TUNNEL (B) J7A	- VS
2342	0H54B	151,074		MODEL 82-0. 50% FOREBODY	AEDC - HYPERSONIC WIND TUNNEL (B) 82A	- VM
2343	LA85	160,849		ATP ORBITER	LARC - 22-INCH HELIUM TUNNEL 445	- JY
2344 V-01	LA77	151,788		ORBITER-140A/B/C=B26 C9 E43 F8 M16 N28 R5 V8 W	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 200-1	- 2B
2344 V-02	LA77	151,789		ORBITER-140A/B/C=B26 C9 E43 F8 M16 N28 R5 V8 W	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 200-1	- 2B
2348 V-01	CA15B	160,483		747-100 WITH CAM TYPE II KITS ATTACHED	UW - LOW SPEED WIND TUNNEL 1178	- GT
2349	CA17	151,379		ORBITER B26.1C9E44F8M16R5V8W116	UW - LOW SPEED WIND TUNNEL 1184	- GW

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2350	OH46	151,065		140B ORB., MODEL 90-0	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL 4502-4601	QR
2351	OA238	160,853		ORBITER 102 FOREBODY	NRLAD - LOW SPEED WIND TUNNEL 764	FN
2352	LA91	151,383		ORBITER 140A/B/C B26C9E43F8M16N28 R5V8W	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 758	J6
2353	LA89	160,827		ALT	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 213-1	2E
2355	OH49A	151,066		B17 C7 E22 F7 M4 W104	AEDC - SUPERSONIC WIND TUNNEL (A) VA525/218A	VW
2356	OH60	151,064		MODEL 83-O (B60 C10)	AEDC - HYPERSONIC WIND TUNNEL (B) B7A	VU
2358	OH50B	151,067		FORWARD 50 PERCENT FUSELAGE, MODEL 83-O	AEDC - HYPERSONIC WIND TUNNEL (B) 58A	VL
2359	OH66	151,405		ROCKWELL VEHICLE 3 (MODIFIED) SHUT TLE ORBITER. MODEL 66-0	CALSPAN - 96-INCH HYPERSONIC SHOCK TUNNEL 131	UO

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2360 V-01	OA221B/C	160,521		ORBITER VEHICLE 102 FOREBODY	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 119-1 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 119	2I
2360 V-02	OA221B/C	160,522		ORBITER VEHICLE 102 FOREBODY	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 119-1 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 119	2I
2361 V-01	OA163B	151,370		B68C12E55F10M16N28R5V8W127X9	NRLAD - LOW SPEED WIND TUNNEL 768	FP
2361 V-02	OA163B	151,371		B68C12E55F10M16N28R5V8W127X9	NRLAD - LOW SPEED WIND TUNNEL 768	FP
2363	OS7	151,057		55-0 (FIN, RUDDER)	LARC - TRANSONIC DYNAMICS TUNNEL 246	HR
2364 V-01	OA145B	160,527		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 118-1	G2
2364 V-02	OA145B	160,528		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 118-1	G2

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2364 V-03	0A145B	160,529		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 118-1	G2
2365	0S6	151,056		MODEL 54-0	LARC - TRANSONIC DYNAMICS TUNNEL 246	HR
2366	0H25B	151,063		140C (B17C7E22F5M4R5V7W103	AEDC - HYPERSONIC WIND TUNNEL (B) 41B-83A	VY
2367	0H57A/B	151,773		MODEL 9I-0 ORBITER 102, DRWG VC- 70-000002B	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-K3A	4A
2368	0H51	151,058		MODELS 46-0, 64-0 90-0	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 112	HD
2370 V-01	0A149B/C	151,790		B70C9E44F9M16N28R5V8W116(ORBITER)	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 115-1 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 115-1	2K
2370 V-02	0A149B/C	151,791		B70C9E44F9M16N28R5V8W116(ORBITER)	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 115-1 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 115-1	2K

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2370 V-03	0A149B/C	151,792		B70C9E44F9M16N28R5V8W116(ORBITER)	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 115-1 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 115-1	2K
2371	0H78	151,408		ORBITER VEHICLE 102	JSC - 56-A-76	GN
2373	LA99	160,821		LARC BUILT MODEL 201-O 0.030 SCALE SSV ORBITER WITH REMOTE ELEVONS	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL - 769	K9
2374	LA82 LA103	167,372		B20F4M16W87E19V5R5TC4	CALSPAN - 8-FOOT TRANSONIC WIND TUNNEL - T18-111 T18-113	UN
2375	0A237	160,530		ORBITER VEHICLE 102 FOREBODY	ARC - 40-FOOT BY 80-FOOT SUBSONIC WIND T UNNEL - 500	2M
2376 V-01	0A149A	151,779		B70C9E44F9M16N28R5V8W116(ORBITER)	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 115	2K
2376 V-02	0A149A	151,780		B70C9E44F9M16N28R5V8W116(ORBITER)	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 115	2K
2376 V-03	0A149A	151,781		B70C9E44F9M16N28R5V8W116(ORBITER)	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 115	2K

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2380 V-01	OA145A	151,801		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 118-1	2F
2380 V-02	OA145A	151,802		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 118-1	2F
2380 V-03	OA145A	151,803		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 118-1	2F
2380 V-04	OA145A	151,804		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 118-1	2F
2380 V-05	OA145A	151,805		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 118-1	2F
2380 V-06	OA145A	151,806		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 118-1	2F
2381	LA107			TEST CANCELLED SEPTEMBER 1978	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 780	KF
2382	OH8 IA109	151,382		MODEL 25-0 (VEH. 2A AFT OF STA. XO =1400 AND PROP. SIMULATION SYS.)	MSFC - NASA/MSFC IMPULSE BASE FLOW FACILI TY 027	1U

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2385	OH15	151,366		MODEL 53-O (ELEVON/WING GAP)	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 173	ED
2386	OH44	151,368		MODEL 53-O (ELEVON/ELEVON GAP)	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 177	EH
2387	LA104			TEST CANCELLED SEPTEMBER 1978	LARC - LOW-TURBULENCE PRESSURE TUNNEL 246	KA
2388	OH84A	167,676		MODEL 83-O (0.04-SCALE)	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-R4A	4E
2389 V-01	OA145C	160,810		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 118-1	2H
2389 V-02	OA145C	160,811		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 118-1	2H
2389 V-03	OA145C	160,812		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 118-1	2H
2390	LA101	160,481		MODEL 44 O SSV ORBITER WITH REMOTE CONTROLLED ELEVONS	LARC - UNITARY PLAN WIND TUNNEL 1194	KD
2392	OA250	151,389		MODEL 45-O ORB, 140A/B CONF. (MODI FIED)	NRLAD - LOW SPEED WIND TUNNEL 775	FQ

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2395	LA111	151,394		MODEL 44-O (SILTS POD)	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 786	KJ
2396	LA110	151,393		MODEL 44-O (SILTS POD)	LARC - UNITARY PLAN WIND TUNNEL 1212	KI
2399	LA114	151,388		MODEL 44-O (SILTS POD)	LARC - UNITARY PLAN WIND TUNNEL 1217	KK
2400	OA234	160,518		ORBITER VEHICLE 102 FOREBODY	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNNEL EL O42	GY
2402	OA223	151,763		B75C16F64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14	NRLAD - LOW SPEED WIND TUNNEL 766	FO
2405 V-01	OA101	151,756		OV102	ARC - 12-FOOT PRESSURE TUNNEL 218-1	2Q
2405 V-02	OA101	151,757		OV102	ARC - 12-FOOT PRESSURE TUNNEL 218-1	2Q
2405 V-03	OA101	151,758		OV102	ARC - 12-FOOT PRESSURE TUNNEL 218-1	2Q
2405 V-04	OA101	151,759		OV102	ARC - 12-FOOT PRESSURE TUNNEL 218-1	2Q
2405 V-05	OA101	151,760		OV102	ARC - 12-FOOT PRESSURE TUNNEL 218-1	2Q

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2405 V-06	0A101	151,761		OV102	ARC - 12-FOOT PRESSURE TUNNEL 218-1	2Q
2409	LA115	160,842		ORBITER	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 803	KL
2410	OH56	151,777		ORBITER WING TIP (MODEL 91-0)	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-R3A	HT
2414 V-01	0A232	160,484		B74C16N108PR4PR7PR8PR14VT18VT19	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) 431	VR
2414 V-02	0A232	160,485		B74C16N108PR4PR7PR8PR14VT18VT19	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) 431	VR
2415 V-01	0A208/209	151,784		SSV 102 ORBITER CONFIGURATION MODE L 105-0	AEDC - SUPERSONIC WIND TUNNEL (A) V41B-P5A	4I
2415 V-02	0A208/209	151,785		SSV 102 ORBITER CONFIGURATION MODE L 105-0	AEDC - SUPERSONIC WIND TUNNEL (A) V41A-P5A	4J
2417	OH58	151,770		93-0 FLAT PLATE	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 235	2X
2419	0A270B/C	151,762		SSV OV102 ORBITER CONFIGURATION MO DEL 104-0 INSTRUMENTED ELEVONS	LARC - 16-FOOT TRANSONIC TUNNEL 325	KP

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2420	0H103A	167,385		MODEL 83-0 LINES VL70-000140C	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-V2A	4H
2421 V-01	0A251B/C	160,495		99-0	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 282-1 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY)	2Z
2421 V-02	0A251B/C	160,496		99-0	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 282-1 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY)	2Z
2424 V-01	0A126A,B,C	160,506		B62C9E64F9M16RSV8W131N112FD3N28	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL 289-1 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY)	2Y
2424 V-02	0A126A,B,C	160,507		B62C9E64F9M16RSV8W131N112FD3N28	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL 289-1 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY)	2Y
2424 V-03	0A126A,B,C	160,508		SSV 102 ORBITER CONFIGURATION 47-0	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL 289-1	3H
2426	LA124		TP1186	140A/B ORBITER	LARC - UNITARY PLAN WIND TUNNEL 1207 LG2	KR

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2427	OH103B	167,675		MODEL 60-0; LINES VL70-000140C	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-V2C	- 4M
2430 V-01	OA270A	160,817		OV102(MODEL 39-0)	LARC - 16-FOOT TRANSONIC TUNNEL 326	- KN
2430 V-02	OA270A	160,818		OV102(MODEL 39-0)	LARC - 16-FOOT TRANSONIC TUNNEL 326	- KN
2430 V-03	OA270A	160,819		OV102(MODEL 39-0)	LARC - 16-FOOT TRANSONIC TUNNEL 326	- KN
2432	LA125	160,845		OV102 (105-0)	LARC - UNITARY PLAN WIND TUNNEL 1243	- KS
2433	OA171	151,764		O.02 SCALE ORBITER VEHICLE 102 (MO DEL 105-0), MODIFIED MODEL 89-0	NSWC - 1310	GJ
2434	OA129	151,782		ORBITER (47.0) OV102 WITH RIGID AN D FLEXIBLE TAIL	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) 507	- 4N
2436 V-06	LA126		72661			KT
2443	OH79	151,769		65-0 SS ORBITER BASE HEATING MODEL	JSC - 61-A-78	5A
2445 V-01	OA146	167,652		SSV 14DA/B/C/R ORBITER	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 318-1	- 3G

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2445 V-02	OA146	167,653		SSV 14DA/B/C/R ORBITER	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 318-1	3G
2450	OS4A OS4B OS12	151,774			ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TU NNEL O41,154,11 6	3Y
2451	OH90A/MA29	151,772			AEDC - HYPERSONIC WIND TUNNEL (B) P4A	4S
2454 V-03	LA57		72661	140A/B ORBITER-BASELINE	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 114	HX
2455	OH102A	151,778		140C ORBITER WITH SLAB SIDED VERTI CAL TAIL	AEDC - HYPERSONIC WIND TUNNEL (B) 41B-65	4T
2458	OS36/37	167,668		HRSI TILE PANEL	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 369-1 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY)	3L
2459 V-01	OA310A OA310B OA310C	167,685		AFRSI SSV PRESSURE-LOADS MODEL 84- 0	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 587-1	A2

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2459 V-02	OA310A OA310B OA310C	167,686		AFRSI SSV PRESSURE-LOADS MODEL 84-0	LERC - 8 BY 6-FOOT SUPERSONIC WIND TUNNEL - O46 /LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNNEL EL - O74	A4
2463	OS41 OS42 OS45	167,672		107-0 LRSI TILE PANEL	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 380-1 381-1	30
2464 V-01	OH84B	160,828		B62C12ES2F10M16V30W127 (56-0)	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-67	4U
2464 V-02	OH84B	160,829		B62C12ES2F10M16V30W127 (56-0)	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-67	4U
2464 V-03	OH84B	160,830		B62C12ES2F10M16V30W127 (56-0)	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-67	4U
2464 V-04	OH84B	160,831		B62C12ES2F10M16V30W127 (56-0)	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-67	4U
2464 V-05	OH105	160,832		B62C12E52F10M16R18V8W116T38S26 (60-0)	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-67	4V
2465	OS55/57	167,674		81-0 HRSI TILE PANEL	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) 464	AJ

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2466 V-01	0A257	167,663		B75,C16,E64,F16,M52,N108,N110,N111 ,R20,V27,W131	LARC - 20-INCH HYPERSONIC TUNNEL (MACH 6) - 6559	7E
2466 V-02	0A257	167,664	4	B75,C16,E64,F16,M52,N108,N110,N111 ,R20,V27,W131	LARC - 20-INCH HYPERSONIC TUNNEL (MACH 6) - 6559	7E
2468	0H105B 0H84C	167,352		ORBITER	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL - 247 246	3R
2469	0S302A	167,367			ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 503-1	AL
2470	0S31A	167,658		LRSI (THIN TILE)	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) - 145-1	A1
2472	0H400	160,494		B75C16E64F16M52W131V29	AEDC - SUPERSONIC WIND TUNNEL (A) - V41B-65	4X
2473 V-01	0A252	167,388		TPS TILE CAVITY FLOW FIELD MODEL	ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TU NNEL - 382-1	3T
2473 V-02	0A252	167,389		TPS TILE CAVITY FLOW FIELD MODEL	ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TU NNEL - 382-1	3T
2477	LA141A/B	160,825		ORBITER 74-0	LARC - 20-INCH HYPERSONIC TUNNEL (MACH 6) - 6546	KZ

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2478 V-01	LA131	160,503		B75C16E64F16FR22HG1M52N108N109N110 N111R20V27	LARC - UNITARY PLAN WIND TUNNEL 1299	7A
2478 V-02	LA131	160,504		B75C16E64F16FR22HG1M52N108N109N110 N111R20V27	LARC - UNITARY PLAN WIND TUNNEL 1299	7A
2478 V-03	LA131	160,505		B75C16E64F16FR22HG1M52N108N109N110 N111R20V27	LARC - UNITARY PLAN WIND TUNNEL 1299	7A
2482 V-01	OA400	160,814		ORBITER - 470	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 427-1 427-2	3X
2482 V-02	OA400	160,815		ORBITER - 470	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 427-1 427-2	3X
2482 V-03	OA400	160,816		ORBITER - 470	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 427-1 427-2	3X
2483 V-01	OS49	167,357			AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) TF-556	T5
2483 V-02	OS49	167,358			AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) TF-556	T5

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2485	OS50 OS50A	167,361		CALIBRATION PANEL	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 425 425-1	AC
2486 V-01	OA253	167,368		B64C14E63F14M18N92N94R18U2V23W129	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) 572	4Y
2486 V-02	OA253	167,369		B64C14E63F14M18N92N94R18U2V23W129	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) 572	4Y
2487	OS43 OS51 OS51B OS51C	167,362		HRSI TILED PANEL	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 380-1 436-1,3	AM
2488	OS300	160,835		AFRSI PANEL	ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TU NNEL 458	AE
2489	OS56	167,366			AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) TF-608	T8
2490 V-01	OH109	167,349		56-0	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-G9	4Z
2490 V-01	OH109	167,349		60-0	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-G9	4Z

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2490 V-02	OH109	167,350		56-0	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-G9	- 4Z
2490 V-02	OH109	167,350		60-0	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-G9	- 4Z
2490 V-03	OH109	167,351		60-0	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-G9	- 4Z
2490 V-03	OH109	167,351		56-0	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-G9	- 4Z
2491 V-01	OA258	167,659		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14V	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-H0	- T1
2491 V-02	OA258	167,660		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14V	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-H0	- T1
2491 V-03	OA258	167,661		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14V	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-H0	- T1
2491 V-04	OA258	167,662		B75C16E64F16FD3FR22HG1M52N108N109N 110N111R20V27VT10VT11VT12VT13VT14V	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-H0	- T1
2492	OH107	167,359		OV-102 (RIGHT HAND WING AND TRUNCA TED AFT FUSELAGE)	AEDC - HYPERSONIC WIND TUNNEL (B) V43B-17	- T2
2493 V-01	OA259	167,665		B75,C16,E64,F16,M52,N108,N109,N110 ,N111,R20,V27,W131	AEDC - HYPERSONIC WIND TUNNEL (B) V42B-145 V43B-14	- T3

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2493 V-02	0A259	167,666		B75,C16,E64,F16,M52,N108,N109,N110 ,N111,R20,V27,W131	AEDC - HYPERSONIC WIND TUNNEL (B) V42B-145 V43B-14	- T3
2494	0H108	167,360		OV-102 ELEVON GAP	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 254	- AH
2495	0H110	160,844		60-0	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 253	- AG
2495	0H110	160,844		56-0	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 253	- AG
2496 V-01	0H111	167,380		O.0175-SCALE 56-0	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-1C	- T6
2496 V-02	0H111	167,381		O.0175-SCALE 56-0	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-1C	- T6
2496 V-03	0H111	167,382		O.0175-SCALE 56-0	AEDC - HYPERSONIC WIND TUNNEL (B) V41B-1C	- T6
2498	0A255 0A256	167,656		102 (PRELIMINARY)	LARC - UNITARY PLAN WIND TUNNEL 1311 16-FOOT TRANSONIC TUNNEL 1358	- 7B
2499	0A164	160,836		B69C14DT1E54F14FD1FD2FR12HA1HG1M18 N92N94N107PR1R18V23VT1VT2W129	ARC - 40-FOOT BY 80-FOOT SUBSONIC WIND T UNNEL 473	- NM

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2500	OS301	160,848		115-O AFRSI MATERIAL PANELS	ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TU NNEL 467-1	AK
2501	OS304A	167,373			ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 501-1	AP
2502	OS304B	167,378			ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 501-1	AQ
2503	OS53A OS53B	167,363		20A	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 905,6,7,9	7C
2504	OS302B	167,379			ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 503-1	AO
2505	OS46A-G	167,376			AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) TF-551	7T
2506	OS60, 1, 2, 3	167,384			ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 500,07,31 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY)	AS

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2507	MA33A/B	167,683		ORBITER MODEL 106-0	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 510-1 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	AU
2508	OS306A/B	167,650		FIXTURE 96-0	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 548-1 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	AV
2509	OA307A/B	167,654		FLAT PANEL W/FRCI-12 TILES	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 549-1 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	AW
2510	OS309A	167,651			ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 548-1	AY
2512	OA308	167,667		122-0	ARC - 2-FOOT BY 2-FOOT TRANSONIC WIND TUNNEL 542-1	AX
2513	OS313	167,678		MODEL 129-0	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) TF645	A3
2515	OS305-1/5	167,684		MODEL 125-0, AFRSI BONDED TO SUPPORT PLATE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 562-1/5	A7

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2516	OS311	167,688		MODEL 127-0, AFRSI BONDED TO SUPPOR RT PLATE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 562-2/5	A8
2517	OS314A/B/C	167,689		AFRSI BLANKET PANELS FORM-FITTED O VER A TWO-DIMENSIONAL MODEL OF AN	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 582-1	A9
2519	OA309	167,692		140C SPACE SHUTTLE ORBITER	NRLAD - LOW SPEED WIND TUNNEL 838	D2

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INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2006	IA1A	120,088		MSFC/NR PARAMETRIC LAUNCH VEHICLE	MSFC - 14-INCH TRISONIC WIND TUNNEL 556	- 77
2010	IA1B	120,060		NR ATP ORBITER/TANK AND SRMS ON AN D OFF	MSFC - 14-INCH TRISONIC WIND TUNNEL 545	- 72
2011	MA9F	120,089		NR ATP ORBITER/EXTERNAL TANK AND S RBS	MSFC - 14-INCH TRISONIC WIND TUNNEL 558	- 78
2013	IA2	128,762		SHUTTLE ORBITER/TANK SRM (N-040A)	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 616	- BJ
2015 V-01	IA4	120,091		NASA SSV ORBITER ON NR EOHT WITH S INGLE BSRM	LTV - HIGH SPEED WIND TUNNEL 458	- DE
2015 V-02	IA4	120,091		NASA SSV ORBITER ON NR EOHT WITH S INGLE BSRM	LTV - HIGH SPEED WIND TUNNEL 458	- DE
2018	IA3	128,755		ATP LAUNCH CONFIGURATION	NRLAD - LOW SPEED WIND TUNNEL 693	- DH
2024	IA7	128,766		O40A SPACE SHUTTLE INTEGRATED VEHI CLE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 686	- BL
2026	IA31F	128,778		MCR 0074 BASELINE LAUNCH VEHICLE	MSFC - 14-INCH TRISONIC WIND TUNNEL 566	- 81

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2027 V-01	IA32FB	141,807		ORB. WITH ET AND 2 SRB'S	MSFC - 14-INCH TRISONIC WIND TUNNEL 567	- 82
2027 V-02	IA32FB	141,808		ROB. WITH ET AND 2 SRB'S	MSFC - 14-INCH TRISONIC WIND TUNNEL 567	- 82
2027 V-03	IA32FB	141,809		ORB. WITH 2 SRB'S	MSFC - 14-INCH TRISONIC WIND TUNNEL 567	- 82
2028 V-01	IA31FB	134,434		MCR 0074 ORBITER LAUNCH	MSFC - 14-INCH TRISONIC WIND TUNNEL 570	- 83
2028 V-02	IA31FB	134,436		MCR 0074 ORBITER LAUNCH	MSFC - 14-INCH TRISONIC WIND TUNNEL 570	- 83
2032 V-01	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 707	- B-
2032 V-02	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 707	- B-

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INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2032 V-03	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) 707	B-
2032 V-04	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) 707	B-
2032 V-05	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) 707	B-
2032 V-06	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) 707	B-
2032 V-07	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) 707	B-

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2032 V-08	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 707	B-
2032 V-09	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 707	B-
2032 V-10	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 707	B-
2032 V-11	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 707	B-
2032 V-12	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 707	B-

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INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2032 V-13	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) 707	B-
2032 V-14	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) 707	B-
2032 V-15	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) 707	B-
2032 V-16	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) 707	B-
2032 V-17	IA9A,B,C OA12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) 707	B-

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2032 V-18	IA9A,B,C 0A12A,C	128,794		17-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 707 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 707	B-
2039	IA6A	134,071		MODEL 2A ORBITER AND EXTERNAL TANK	MSFC - 14-INCH TRISONIC WIND TUNNEL 571	85
2042	IA52	134,087		MFSC MODEL NO 453	MSFC - 14-INCH TRISONIC WIND TUNNEL 584	98
2048	IA12B	134,104		2A CONFIGURATION	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 710	BV
2062 V-01	IA13	134,117		INTEGRATED VEHICLE CONFIG 3 (MODEL 32-OTS)	AEDC - SUPERSONIC WIND TUNNEL (A) VA323	TJ
2062 V-02	IA13	134,118		INTEGRATED VEHICLE CONFIG. 3 (MODE L 32-OTS)	AEDC - SUPERSONIC WIND TUNNEL (A) VA323	TJ
2062 V-03	IA13	141,801		INTEGRATED VEHICLE CONFIG. 3 (MODE L 32-OTS)	AEDC - SUPERSONIC WIND TUNNEL (A) VA323	TJ
2063	IA37 IA48	128,788		INTEGRATED VEHICLE	MSFC - 14-INCH TRISONIC WIND TUNNEL 579/580	88
2064 V-01	IA36	141,814		INTEGRATED SSV 2A,3A MODIFIED	CALSPAN - 8-FOOT TRANSONIC WIND TUNNEL T14-053	UF

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2064 V-02	IA36	141,816		INTEGRATED SSV 2A,3A MODIFIED	CALSPAN - 8-FOOT TRANSONIC WIND TUNNEL T14-053	UF
2065 V-01	IA12C	141,518		2A CONFIGURATION	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 710	BZ
2065 V-02	IA120	141,519		2A CONFIGURATION	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 710	BZ
2065 V-03	IA12C	141,520		2A CONFIGURATION	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 710	BZ
2070	LA23	128,787		JSC 040A ORBITER WITH EHDT AND 2 S RM	LARC - LOW-TURBULENCE PRESSURE TUNNEL 141	PU
2072	IA31FC	134,072		PRR BASELINE LAUNCH CONFIGURATION MCR 0074 BASELINE MODEL ELEMENTS	MSFC - 14-INCH TRISONIC WIND TUNNEL 573	90
2077 V-01	IA29 0A63	134,095		140A/B ORB., VEH. 4 ET, 2 SRB'S SHUTTLE ORBITER VENT PRESSURE MODE L 36-OTS	ARC - 6-FOOT BY 6-FOOT SUPERSONIC WIND T UNNEL 630	EB
2077 V-02	IA29	134,099		140A/B ORB., VEH. 4 ET, 2 SRB'S	ARC - 6-FOOT BY 6-FOOT SUPERSONIC WIND T UNNEL 630	EB

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2077 V-03	0A63	134,100		140A/B ORB., VEH. 4 ET, 2 SRB'S	ARC - 6-FOOT BY 6-FOOT SUPERSONIC WIND T UNNEL 630	EB
2078	IA10	128,795		MODEL 32-OT WITH ORBITER, ET, SIMU LATED ENGINE PLUMES	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 169	B7
2084 V-01	IA14A	134,443		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 716	B1
2084 V-02	IA14A	134,444		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 716	B1
2084 V-03	IA14A	143,445		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 716	B1
2084 V-04	IA14A	143,446		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 716	B1
2084 V-05	IA14A	143,447		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 716	B1
2084 V-06	IA14A	143,448		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 716	B1

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2084 V-07	IA14A	143,449		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 716	B1
2084 V-08	IA14A	143,450		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 716	B1
2084 V-09	IA14A	141,501		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 716	B1
2084 V-10	IA14A	141,502		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 716	B1
2084 V-11	IA14A	141,503		SSV 140A/B LAUNCH	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 716	B1
2085	OH10 IH2	167,344		SPACE SHUTTLE INTEGRATED VEHICLE P RESSURE MODEL 26-OTS	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 171	B9
2093	IA37B	134,090		EXTERNAL TANK, T9 EXTERNAL TANK, T11	MSFC - 14-INCH TRISONIC WIND TUNNEL 585	93
2098	IH15	134,096		B10C5D7F4M3V5W87 B10C5D7F4M3V5W87T8	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 172	B8
2099 V-01	OH4B	134,419		22-OT	AEDC - HYPERSONIC WIND TUNNEL (B) VA352	TK

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INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2099 V-02	OH4B	134,438		22-OT	AEDC - HYPERSONIC WIND TUNNEL (B) VA352	- TK
2099 V-03	OH4B	134,439		22-OT	AEDC - HYPERSONIC WIND TUNNEL (B) VA352	- TK
2100	OH3A OH3B	134,075		ORB. (VL70-000139)/ET (VL78-00041) AND ORB. ALONE RI ORBITER (VL70-000139)	AEDC - HYPERSONIC WIND TUNNEL (B) VA289	- TM
2105	IH17	144,594		ORBITER + EXTERNAL TANK, SSV MODEL 41-OTS EXTERNAL TANK ALONE, SSV MODEL 41- OTS	LARC - MACH 8 VARIABLE-DENSITY HYPERSONIC TUNNEL 646/647	- PR
2108	IA35 OA64	134,084		B26C9E26F8M7N25R5N116 B26C9E26F8M7N25R5N116S12T12	LARC - UNITARY PLAN WIND TUNNEL 1063	- Q4
2110	IH18	144,589		ORBITER CONFIGURATION 2A EXTERNAL TANK	LARC - FREON TUNNEL 97-118	- QM
2112	IA57	134,401		INTEGRATED VEHICLE (CONFIGURATION 3)	AEDC - SUPERSONIC WIND TUNNEL (A) VA422	- TL
2118	IA41	134,108		MATED INTEGRATED VEHICLE MODEL (67- OTS)	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 667	- Q8
2119	IA42A IA42B	134,109		CONFIGURATION 4 MATED SSV (67-OTS)	LARC - UNITARY PLAN WIND TUNNEL 1056/1073	- Q6
2122	IA69	134,424		LAUNCH CONFIGURATION (MODEL 67-OTS)	NRLAD - 7-FOOT TRISONIC WIND TUNNEL 280	- F3

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2123	IA53	141,504		LAUNCH CONFIGURATION LAUNCH CONFIGURATION WITH STRUTS	MSFC - 14-INCH TRISONIC WIND TUNNEL 588	96
2129 V-01	IA14B	141,522		SSV 140A/B LAUNCH	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 716	B3
2129 V-02	IA14B	141,523		SSV 140A/B LAUNCH	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 716	B3
2136 V-01	IH3	141,514		B17 C7 M4 F5 W103 E22 V7 R5 T10	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 178	EI
2136 V-02	IH3	141,515		B17 C7 M4 F5 W103 E22 V7 R5 T10	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 178	EI
2136 V-03	IH3	141,516		B17 C7 M4 F5 W103 E22 V7 R5 T10	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 178	EI
2136 V-04	IH3	141,517		B17 C7 M4 F5 W103 E22 V7 R5 T10	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 178	EI
2137 V-01, R-01	IA60	134,103		CONFIGURATION 3, MODEL 32-O)	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 108	H1
2138 V-01	IH4	144,608		0.010-SCALE VERSION OF THE VEHICLE 3 SPACE SHUTTLE CONFIGURATION	LARC - UNITARY PLAN WIND TUNNEL 1059	Q3

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2138 V-02	IH4	144,609		0.010-SCALE VERSION OF THE VEHICLE 3 SPACE SHUTTLE CONFIGURATION	LARC - UNITARY PLAN WIND TUNNEL 1059	- Q3
2138 V-03	IH4	144,610		0.010-SCALE VERSION OF THE VEHICLE 3 SPACE SHUTTLE CONFIGURATION	LARC - UNITARY PLAN WIND TUNNEL 1059	- Q3
2138 V-04	IH4	144,611		0.010-SCALE VERSION OF THE VEHICLE 3 SPACE SHUTTLE CONFIGURATION	LARC - UNITARY PLAN WIND TUNNEL 1059	- Q3
2143	IA61A	144,587		INTEGRATED VEHICLE- CONFIGURATION 3 LINES	AEDC - SUPersonic WIND TUNNEL (A) VA422	- TQ
2144	IA68	134,427		LAUNCH CONFIGURATION	NRLAD - 7-FOOT TRISONIC WIND TUNNEL 281	- F4
2146	IS4	134,092		30-OTS	LARC - 26-INCH TRANSONIC BLOWDOWN TUNNEL 547	- HF
2148 V-01	IH20	134,440		22-OTS	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 185	- EN
2148 V-02	IH20	134,441		22-OTS	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 185	- EN
2153	IH1	151,377		ORBITER ALONE	LARC - UNITARY PLAN WIND TUNNEL 1071	- Q7
2156 V-01	IA17A	141,797		ORBITER WITH ET SEPARATING ISOLATED ORBITER	AEDC - HYPERSONIC WIND TUNNEL (B) VA422	- TR

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2156 V-02	IA17A	141,798		ORBITER WITH ET SEPARATING ISOLATED ORBITER	AEDC - HYPERSONIC WIND TUNNEL (B) VA422	TR
2156 V-03	IA17A	141,799		ORBITER WITH ET SEPARATING ISOLATED ORBITER	AEDC - HYPERSONIC WIND TUNNEL (B) VA422	TR
2157	IH19	141,822		ORBITER EXTERNAL TANK	LARC - HYPERSONIC NITROGEN TUNNEL 28	QE
2158	IS6A	147,640		O13, T9, S7	MSFC - 14-INCH TRISONIC WIND TUNNEL 582	1B
2160	IA18	134,413		52-OT ET ALONE	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 191	ES
2164 V-01	OH12 IH21	141,828		MODEL 37-OT (CONFIG. 3 ORB AND ET) CONFIGURATION 3 ORBITER	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL 173-100	UG
2164 V-02	OH12 IH21	141,829		MODEL 37-OT (CONFIG. 3 ORB AND ET) CONFIGURATION 3 ORBITER	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL 173-100	UG
2164 V-03	OH12 IH21	141,830		MODEL 37-OT (CONFIG. 3 ORB AND ET) CONFIGURATION 3 ORBITER	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL 173-100	UG
2166	IH16	141,534		ORB.+ET+SRB ET	LARC - UNITARY PLAN WIND TUNNEL 1041	PQ
2168	LA32		71945	THERMAL PROTECTION SYSTEM	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 97	QO

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2169 V-01	IA81A	141,836		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) O19	ET
2169 V-02	IA81A	141,837		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) O19	ET
2169 V-03	IA81A	141,838		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) O19	ET
2169 V-04	IA81A	141,839		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) O19	ET
2169 V-05	IA81A	141,840		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) O19	ET
2169 V-06	IA81A	141,841		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) O19	ET
2169 V-07	IA81A	141,842		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) O19	ET
2170 V-01	IA19	141,543		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) O14	EU

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2170 V-02	IA19	141,544		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) O14	EU
2170 V-03	IA19	141,545		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) O14	EU
2173	IA8	134,107		6-OTS	ARC - 14-FOOT TRANSONIC WIND TUNNEL 711	BK
2174 V-01	IA33	141,811		VEHICLE 5 CONFIGURATION	MSFC - 14-INCH TRISONIC WIND TUNNEL 594	1C
2174 V-02	IA33	141,812		VEHICLE 5 CONFIGURATION	MSFC - 14-INCH TRISONIC WIND TUNNEL 594	1C
2174 V-03	IA33	141,813		VEHICLE 5 CONFIGURATION	MSFC - 14-INCH TRISONIC WIND TUNNEL 594	1C
2175 V-01	IA70	134,431		MODEL 49-O + 67TS INTEGRATED VEHIC LE	NRLAD - 7-FOOT TRISONIC WIND TUNNEL 282	F7
2175 V-02	IA70	134,432		MODEL 49-O + 67TS INTEGRATED VEHIC LE	NRLAD - 7-FOOT TRISONIC WIND TUNNEL 282	F7
2175 V-03	IA70	134,433		MODEL 49-O + 67TS INTEGRATED VEHIC LE	NRLAD - 7-FOOT TRISONIC WIND TUNNEL 282	F7

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2180 V-01	IH28	147,615		SSV ORBITER (MODEL(50-O) SSV EXT. TANK (MODEL 41-T)	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 195	EV
2180 V-02	IH28	147,616		SSV ORBITER (MODEL(50-O) SSV EXT. TANK (MODEL 41-T)	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 195	EV
2189	IA110	141,506		ORBITER 140A/B	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 052	E1
2192 V-01	IA87	141,541		O/ET; O/ET,SRB; SRB	AEDC - SUPERSONIC WIND TUNNEL (A) 60A	TU
2192 V-02	IA87	141,542		O/ET; O/ET,SRB; SRB	AEDC - SUPERSONIC WIND TUNNEL (A) 60A	TU
2194 V-01	IA81B	141,817		LAUNCH VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 019	ET
2194 V-02	IA81B	141,818		LAUNCH VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 019	ET
2194 V-03	IA81B	141,819		LAUNCH VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 019	ET
2194 V-04	IA81B	141,820		LAUNCH VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 019	ET

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2194 V-05	IA81B	141,821		LAUNCH VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 019	ET
2199	LA43A/B LA43B		3315	ORBITER; ET; SRB	LARC - UNITARY PLAN WIND TUNNEL 1074 1093	H5
2200	LA44		3336	ORBITER-140A/B; SRB; ET;	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 677	H6
2204	IA43	141,525		OTS, 140A/B	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 693	HC
2206	IA44	141,528		0.010-SCALE OUTER MOLD LINE MODEL OF THE 140A/B CONFIGURATION	LARC - UNITARY PLAN WIND TUNNEL 1088/1119	H8
2210	IH27	151,372		15-O VIII (FLAT-PLATE CARRIER)	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 200	E3
2212 V-01	IA80	147,632		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 023	E4
2212 V-02	IA80	147,633		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 023	E4
2212 V-03	IA80	147,634		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 023	E4

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2212 V-04	IA80	147,635		LAUNCH VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) O23	E4
2219 V-01	IA82C	144,597		LAUNCH VEHICLE 5	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) O44	E5
2219 V-02	IA82C	144,598		LAUNCH VEHICLE 5	ARC - 8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) O44	E5
2224	LA56	147,650		72-OTS (ORB., ET, SRM)	LARC - NASA LANGLEY RESEARCH CENTER 699 8-FOOT TRANSONIC PRESSURE TUNNEL	HW
2226	IA61B	141,507		SPACE SHUTTLE VEHICLE CONFIGURATION 3 MODEL 32-OTS SPACE SHUTTLE ORBITER MODEL 52-0	AEDC - SUPERSONIC WIND TUNNEL (A) VA422 21AA	V4
2227	IA71	141,806		ORB./W/ET AND SRB 740TS; ORB. W/ET AND SRB'S 770, 74TS	MSFC - 14-INCH TRANSONIC WIND TUNNEL 610	1K
2230	IA17B	141,509		ORBITER-TANK MATED, MODEL 52-OT	AEDC - HYPERSONIC WIND TUNNEL (B) VA422	V3
2231 V-01	IA82B	144,601		LAUNCH VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY) O44	E6

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2231 V-02	IA82B	144,602		LAUNCH VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) O44	E6
2235	SA30F	141,810		SRB W/O HEAT SHIELD, W/HEAT SHIELD ON SKIRT, W/HEAT SHIELD ON NOZZLE	MSFC - 14-INCH TRISONIC WIND TUNNEL 611	1J
2240	IH41A	151,054		60-OTS THERMOCOUPLE MODEL	AEDC - SUPERSONIC WIND TUNNEL (A) A4A	V7
2242 V-01	IA111	141,831		52-OTS	AEDC - SUPERSONIC WIND TUNNEL (A) A3A	V8
2242 V-02	IA111	144,588		52-OTS	AEDC - SUPERSONIC WIND TUNNEL (A) A3A	V8
2248	IH48	144,599		60 OTS SPACE SHUTTLE VEHICLE 5	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 211	NB
2249	IH33	151,775		37-OT SPACE SHUTTLE ORBITER/EXTERN AL TANK- .01 SCALE	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL 185-131 96-INCH HYPERSONIC SHOCK TUNNEL	UJ
2253	IA125	144,833		77-0, 77-OTS	MSFC - 14-INCH TRISONIC WIND TUNNEL 622	1N
2255			62,444	SERIES-BURN, PARALLEL-BURN; 2 CANO PY CONFIGURATIONS;	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY)	NF

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DMS CMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2258 V-01	IA72	151,045		88-OTS MODIFIED W/OMS PODS AND COL D AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 072	NE
2258 V-02	IA72	151,046		88-OTS MODIFIED W/OMS PODS AND COL D AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 072	NE
2258 V-03	IA72	151,047		88-OTS MODIFIED W/OMS PODS AND COL D AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 072	NE
2258 V-04	IA72	151,048		88-OTS MODIFIED W/OMS PODS AND COL D AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 072	NE
2258 V-05	IA72	151,049		88-OTS MODIFIED W/OMS PODS AND COL D AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 072	NE
2258 V-06	IA72	151,050		88-OTS MODIFIED W/OMS PODS AND COL D AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 072	NE
2258 V-07	IA72	151,051		88-OTS MODIFIED W/OMS PODS AND COL D AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 072	NE
2258 V-08	IA72	151,052		88-OTS MODIFIED W/OMS PODS AND COL D AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 072	NE

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INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2258 V-09	IA72	151,053		88-OTS MODIFIED W/OMS PODS AND COL D AIR MPS AND SRB PLUME SIMULATION	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 072	NE
2272 V-01	IA114	151,077		SSV 3	AEDC - HYPERSONIC WIND TUNNEL (B) C4A	VC
2272 V-02	IA114	151,078		SSV 3	AEDC - HYPERSONIC WIND TUNNEL (B) C4A	VC
2274	FA14	144,593		74-OTS, VEH. 5 (ASCENT CONFIG.)	MSFC - 14-INCH TRISONIC WIND TUNNEL 600	1L
2282	IH34	151,407		PLUME SIMULATION MODEL 19-OTS	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL 038	GF
2284 V-01	IS2A/B	151,035		INTEGRATED SPACE SHUTTLE VEHICLE 84-OTS	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 113 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY)	NK
2284 V-02	IS2A/B	151,036		INTEGRATED SPACE SHUTTLE VEHICLE 84-OTS	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 113 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY)	NK
2293	IA40	151,381		MODEL 75-OTS (72-0 WING, 140C MOD. FUSELAGE, ET, SRB)	AEDC - SUPERSONIC WIND TUNNEL (A) K1A	VT

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2295 V-01	IH41B	151,069		ET ALONE T34 ORBITER ALONE B62C12E52F10M16R18V 8W116	AEDC - SUPERSONIC WIND TUNNEL (A) A4A	- VF
2295 V-02	IH41B	151,070		ET ALONE T34 ORBITER ALONE B62C12E52F10M16R18V 8W116	AEDC - SUPERSONIC WIND TUNNEL (A) A4A	- VF
2295 V-03	IH41B	151,071		ET ALONE T34 ORBITER ALONE B62C12E52F10M16R18V 8W116	AEDC - SUPERSONIC WIND TUNNEL (A) A4A	- VF
2295 V-04	IH41B	151,072		ET ALONE T34 ORBITER ALONE B62C12E52F10M16R18V 8W116	AEDC - SUPERSONIC WIND TUNNEL (A) A4A	- VF
2295 V-05	IH41B	151,073		ET ALONE T34 ORBITER ALONE B62C12E52F10M16R18V 8W116	AEDC - SUPERSONIC WIND TUNNEL (A) A4A	- VF
2299	LA80		3497	ORBITER/747 FERRY VEHICLE	LARC - HIGH SPEED 7 BY 10-FOOT TUNNEL 999	- JN
2306 V-01	IA135A/B/C	167,354		O - B26C9E44F9M16R5V8W116 T - AT28AT29AT30AT31AT32AT128FL10F L11FR10PT22PT23PT24PT25PT26PT27T37	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL 144-1	- NQ
2306 V-02	IA135A/B/C	167,355		O - B26C9E44F9M16R5V8W116 T - AT28AT29AT30AT31AT32AT128FL10F L11FR10PT22PT23PT24PT25PT26PT27T37	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL 144-1	- NQ
2306 V-03	IA135A/B/C	167,356		O - B26C9E44F9M16R5V8W116 T - AT28AT29AT30AT31AT32AT128FL10F L11FR10PT22PT23PT24PT25PT26PT27T37	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL 144-1	- NQ

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2308	IH5	147,636		19-OTS	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL I81	UL
2312 V-01	IH47	151,075		VEHICLE 5, TO INCLUDE SRB ALONE AN D OTS (SPIKE NOSE ET)	AEDC - SUPERSONIC WIND TUNNEL (A) J3A	VI
2312 V-02	IH47	151,076		VEHICLE 5, TO INCLUDE SRB ALONE AN D OTS (SPIKE NOSE ET)	AEDC - SUPERSONIC WIND TUNNEL (A) J3A	VI
2315	IA141	147,623		0.010-SCALE VL70-000140C INTEGRATE D SPACE SHUTTLE LAUNCH VEHICLE	NRLAD - 7-FOOT TRISONIC WIND TUNNEL 297	FK
2316	IA137	147,622		FULL 331 INCH DIAMETER FOREBODY AN 80% (264.8 INCH) OF FULL DIAMET ER FOREBODY	ARC - 14-FOOT TRANSONIC WIND TUNNEL 143-1	NY
2319	IH43	151,771		.01-SCALE SPACE SHUTTLE ORB/ET 59- OT	CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL I89 96-INCH HYPERSONIC SHOCK TUNNEL	UM
2323	IA94A	151,039		0.010-SCALE 72-OTS MODEL	LARC - UNITARY PLAN WIND TUNNEL 1152	JK
2324	IA94B	151,040		0.010-SCALE 72-OTS MODEL	LARC - UNITARY PLAN WIND TUNNEL 1177	JW
2326 V-01	IA93	151,037		0.010-SCALE 72-OTS MODEL	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 749	JJ
2326 V-02	IA93	151,038		0.010-SCALE 72-OTS MODEL	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 749	JJ

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2327 V-01	IA22	151,079		CONFIG. 102 ORBITER AND ET, DESIGN ATED MODEL 70-OT	AEDC - HYPERSONIC WIND TUNNEL (B) D9A	- VK
2327 V-02	IA22	151,080		CONFIG. 102 ORBITER AND ET, DESIGN ATED MODEL 70-OT	AEDC - HYPERSONIC WIND TUNNEL (B) D9A	- VK
2327 V-03	IA22	151,081		CONFIG. 102 ORBITER AND ET, DESIGN ATED MODEL 70-OT	AEDC - HYPERSONIC WIND TUNNEL (B) D9A	- VK
2328	LA34 TND-8233			REUSABLE SURFACE INSULATION TILE G APS	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 105	- QQ
2335	IA140A/B	151,783		VEHICLE 5 MODEL 74-OTS	MSFC - 14-INCH TRISONIC WIND TUNNEL 641 646	- 1Q
2346 V-01	IA142	151,385		75-OTS	AEDC - SUPERSONIC WIND TUNNEL (A) K1A	- VQ
2346 V-02	IA142	151,386		75-OTS	AEDC - SUPERSONIC WIND TUNNEL (A) K1A	- VQ
2346 V-03	IA142	151,387		75-OTS	AEDC - SUPERSONIC WIND TUNNEL (A) K1A	- VQ
2354 V-01	IA143	151,401	1	MODEL 75-OTS (WING)	AEDC - SUPERSONIC WIND TUNNEL (A) P8A	- VX
2354 V-02	IA143	151,402	2	MODEL 75-OTS (WING)	AEDC - SUPERSONIC WIND TUNNEL (A) P8A	- VX

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2354 V-03	IA143	151,403	3	MODEL 75-OTS (WING)	AEDC - SUPERSONIC WIND TUNNEL (A) P8A	- VX
2354 V-04	IA143	151,404	4	MODEL 75-OTS (WING)	AEDC - SUPERSONIC WIND TUNNEL (A) P8A	- VX
2357	IH68	167,655		INTEGRATED VEHICLE ORBITER PLUS TANK	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 222	- 2D
2372	IH72	160,843		OTS TANK ALONE	AEDC - SUPERSONIC WIND TUNNEL (A) V41A-R2A	- VZ
2377 V-01	IA144	167,342		O - 140A/B/C/R SRB - MODIFIED VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 228-1	- 2N
2377 V-02	IA144	167,343		O - 140A/B/C/R SRB - MODIFIED VEHICLE 5	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 228-1	- 2N
2378	IA191	160,820		MODEL 112-T	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 412-1	- AA
2384 V-01	IA148	151,412		OV102 + ET (MODEL 70-OT)	AEDC - HYPERSONIC WIND TUNNEL (B) TOA	- 4D
2384 V-02	IA148	151,413		OV102 + ET (MODEL 70-OT)	AEDC - HYPERSONIC WIND TUNNEL (B) TOA	- 4D

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2391	IA244	167,346		OTS - SINGLE STING IN ORBITER OTS - ET AND SRB ON SEPERATE STING	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 779	KE
2393 V-01	IH51A	167,679		OT FLAT PLATE	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 228-1	20
2393 V-02	IH51A	167,680		OT FLAT PLATE	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 228-1	20
2393 V-03	IH51A	167,681		OT FLAT PLATE	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 228-1	20
2393 V-04	IH51A	167,682		OT FLAT PLATE	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 228-1	20
2397	LA113	167,347		O -140A/B/C/R T -MODIFIED VEHICLE 5	LARC - 8-FOOT TRANSONIC PRESSURE TUNNEL 780	KH
2398 V-01	IA105A	160,850		B62C9E64W131M16N28N112R5V8FD3F9 T39	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) 470	4B
2398 V-02	IA105A	160,851		B62C9E64W131M16N28N112R5V8FD3F9 T39	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) 470	4B
2398 V-03	IA105A	160,852		B62C9E64W131M16N28N112R5V8FD3F9 T39	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) 470	4B

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2401	IS1A/B/C DS3	151,395		11-OTS (ORB, ET, 2 SRB'S)	ARC - 11-FOOT, 9-FOOT, 8-FOOT, UNITARY W IND TUNNEL 705-1	2S
2403 V-01	IA156A	160,515		B75C16E64F16FR22HG1M52N108N109N110 N111R20U1V27V29VT10VT11VT14VT17W13 1T39S27	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) 470	4C
2403 V-02	IA156A	160,516		B75C16E64F16FR22HG1M52N108N109N110 N111R20U1V27V29VT10VT11VT14VT17W13 1T39S27	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) 470	4C
2403 V-03	IA156A	160,517		B75C16E64F16FR22HG1M52N108N109N110 N111R20U1V27V29VT10VT11VT14VT17W13 1T39S27	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) 470	4C
2404 V-01	IA119	160,510		88-OTS-.02 SCALE OF THE INTEGRATED SPACE SHUTTLE VEHICLE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 275-1	2R
2404 V-02	IA119	160,511		88-OTS-.02 SCALE OF THE INTEGRATED SPACE SHUTTLE VEHICLE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 275-1	2R
2404 V-03	IA119	160,512		88-OTS-.02 SCALE OF THE INTEGRATED SPACE SHUTTLE VEHICLE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 275-1	2R
2404 V-04	IA119	160,513		88-OTS-.02 SCALE OF THE INTEGRATED SPACE SHUTTLE VEHICLE	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNITARY) 275-1	2R

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DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2406	IA181	167,348		B62,C12,E62,F10,M16,N28,R5,V8,W127 AT16,AT17,AT18,FL5,FL6,FL9,FR6,PT1 3,PT14,PT20,T20	MSFC - 14-INCH TRISONIC WIND TUNNEL 649	1U
2407	IH73	167,374		B22C7F5M4V7W111 T8	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 233-1	2V
2408 V-01	IA156B	160,498		B75C16E64F16FR22HG1M52N108N109N110 N111R20U1V27V29VT10VT11VT14VT17W13 1T39S27	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 272	2T
2408 V-02	IA156B	160,499		B75C16E64F16FR22HG1M52N108N109N110 N111R20U1V27V29VT10VT11VT14VT17W13 1T39S27	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 272	2T
2408 V-03	IA156B	160,500		B75C16E64F16FR22HG1M52N108N109N110 N111R20U1V27V29VT10VT11VT14VT17W13 1T39S27	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 272	2T
2412 V-01	IH90	167,386		60-OTS (B62C12E52F10M16R18V8W116T 38S26)	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 234-1	2W
2412 V-02	IH90	167,387		60-OTS (B62C12E52F10M16R18V8W116T 38S26)	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 234-1	2W
2413 V-01	IA105B	160,858		B62C9E64W131M16N28R5V8FD3F9 T39S27	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 242-1	2U
2413 V-02	IA105B	160,859		B62C9E64W131M16N28R5V8FD3F9 T39S27	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 242-1	2U

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INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2416	IA603	160,824		LBM SSLV	MSFC - TRISONIC WIND TUNNEL 668	6C
2418	IH100	151,414		WEDGE SHAPED MODEL TO HOLD DFI GAS TEMP. PROBE	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 227	3Z
2422	FH15	151,767		30/10/40-DEGREE CONE OGIVE	AEDC - SUPERSONIC WIND TUNNEL (A) V41A-20	4K
2428 V-01	IH11	160,523		84-OTS- .035 SCALE MODEL OF THE IN TEGRATED SPACE SHUTTLE VEHICLE	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL 045	GI
2428 V-02	IH11	160,524		84-OTS- .035 SCALE MODEL OF THE IN TEGRATED SPACE SHUTTLE VEHICLE	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL 045	GI
2428 V-03	IH11	160,525		84-OTS- .035 SCALE MODEL OF THE IN TEGRATED SPACE SHUTTLE VEHICLE	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL 045	GI
2428 V-04	IH11	160,526		84-OTS- .035 SCALE MODEL OF THE IN TEGRATED SPACE SHUTTLE VEHICLE	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL 045	GI
2429	IH51B	167,353		OT FLAT PLATE 580TS	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 239	3C
2431 V-01	IH85	151,793		OTS-T38S26B62C12M16W116E52V8R18F10 OT-T38B62C12M16W116E52V8R18F10	AEDC - SUPERSONIC WIND TUNNEL (A) V41A-W5	4L

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INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2431 V-02	IH85	151,794		OTS-T38S26B62C12M16W116E52V8R18F10 OT-T38B62C12M16W116E52V8R18F10	AEDC - SUPERSONIC WIND TUNNEL (A) V41A-W5	- 4L
2431 V-03	IH85	151,795		OTS-T38S26B62C12M16W116E52V8R18F10 OT-T38B62C12M16W116E52V8R18F10	AEDC - SUPERSONIC WIND TUNNEL (A) V41A-W5	- 4L
2431 V-04	IH85	151,796		OTS-T38S26B62C12M16W116E52V8R18F10 OT-T38B62C12M16W116E52V8R18F10	AEDC - SUPERSONIC WIND TUNNEL (A) V41A-W5	- 4L
2431 V-05	IH85	151,797		OTS-T38S26B62C12M16W116E52V8R18F10 OT-T38B62C12M16W116E52V8R18F10	AEDC - SUPERSONIC WIND TUNNEL (A) V41A-W5	- 4L
2431 V-06	IH85	151,798		OTS-T38S26B62C12M16W116E52V8R18F10 OT-T38B62C12M16W116E52V8R18F10	AEDC - SUPERSONIC WIND TUNNEL (A) V41A-W5	- 4L
2431 V-07	IH85	151,799		OTS-T38S26B62C12M16W116E52V8R18F10 OT-T38B62C12M16W116E52V8R18F10	AEDC - SUPERSONIC WIND TUNNEL (A) V41A-W5	- 4L
2431 V-08	IH85	151,800		OTS-T38S26B62C12M16W116E52V8R18F10 OT-T38B62C12M16W116E52V8R18F10	AEDC - SUPERSONIC WIND TUNNEL (A) V41A-W5	- 4L
2435	IH39	151,415		INTEGRATED VEHICLE CONFIGURATION 5	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL O41	- GK
2437	FA25	151,766		MODEL 74-OTS MODEL 74-OTS WITH ORB. MOLD LINE C HANGES ON WING AND NOSE	MSFC - 14-INCH TRISONIC WIND TUNNEL 652	- 1X

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INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2438 V-01	IA138	160,855		PROPOSED VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 246-1	3D
2438 V-02	IA138	160,856		PROPOSED VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 246-1	3D
2438 V-03	IA138	160,857		PROPOSED VEHICLE 5	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 246-1	3D
2439	IA182	167,673		MODEL 47-OTS	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) 517	4P
2440	IH83	151,765		SPACE SHUTTLE PLUME SIMULATION (MO DEL 19-OTS)	LERC - 10 BY 10-FOOT SUPERSONIC WIND TUNN EL O44	GZ
2444 V-01	IA183	160,488		B75C16E64F16FR22HG1M52N108N109N110 N111R20U1V27VT10VT11VT12VT13VT14 VT15VT16VT17W131T39S27	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) 519	4Q
2444 V-02	IA183	160,489		B75C16E64F16FR22HG1M52N108N109N110 N111R20U1V27VT10VT11VT12VT13VT14 VT15VT16VT17W131T39S27	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) 519	4Q
2448 V-01	IH51C	160,519			ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 241	3F

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INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2448 V-02	IH51C	160,520			ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 241	3F
2449	IA132	160,497		EXTENAL OXYGEN HYDROGEN TANK FOREB ODY MODEL	AEDC - TRANSONIC PROPULSION WIND TUNNEL (PWT-16T) 505	4R
2452	IH99	167,383		SSV SRB NOSE	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 230	2P
2453	IH75	151,776		19-OTS-B64,C16,E63,F14,M18,N92,N94 ,V23,W129,S22,N106,T33	CALSPAN - LUDWIG TUBE I95-100	UQ
2456 V-01	IA184	160,486		O.O3-SCALE SHUTTLE INTEGRATED VEHI CLE 47-OTS	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 347-1	3K
2456 V-02	IA184	160,487		O.O3-SCALE SHUTTLE INTEGRATED VEHI CLE 47-OTS	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) 347-1	3K
2457	IA180	160,813		EXTERNAL OXYGEN HYDROGEN TANK FORE BODY MODEL	LARC - UNITARY PLAN WIND TUNNEL 1267	KV
2461	IH51D	167,677		MODEL 58-O	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 244	3N

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INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2462 V-01	IA131B/C	167,370		ET FOREBODY (T41)- LOUVERS OPEN, C T FAIRING AND G02 LINE INSTALLED ET FOREBODY (T41)- LOUVERS OPEN, C T,FAIRING, AND G02 LINE REMOVED	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 283-1 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) -	3E
2462 V-02	IA131B/C	167,371		ET FOREBODY (T41)- LOUVERS OPEN, C T FAIRING AND G02 LINE INSTALLED ET FOREBODY (T41)- LOUVERS OPEN, C T,FAIRING, AND G02 LINE REMOVED	ARC - 9-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) - 283-1 8-FOOT BY 7-FOOT SUPERSONIC WIND T UNNEL (UNITARY) -	3E
2464 V-06	IH102	160,833		B60C10 (83-0)	AEDC - SUPERSONIC WIND TUNNEL (A) V41A-67 -	4W
2467	IH103	160,834		60-0T 56-0/60T	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 245 -	3P
2471	LA132	160,514		LAUNCH VEHICLE - 890TS	LARC - 16-FOOT TRANSONIC TUNNEL 341 -	KW
2474	FA28	160,826		ORBITER ALONE LAUNCH CONFIGURATION (NO PROTUBERA NCES ON ET)	MSFC - 14-INCH TRISONIC WIND TUNNEL 656 -	1Z
2475	LA140	160,509		LAUNCH VEHICLE (89-0TS)	LARC - 16-FOOT TRANSONIC TUNNEL 342 -	KY
2480	IH104	167,657		ORBITER+TANK	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 250 -	3W

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INTEGRATED VEHICLE DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2481	IA602	167,377		OTS (MODEL 74) OTS + LBM	MSFC - 14-INCH TRISONIC WIND TUNNEL 665	6B
2511 V-01	IA300	167,669		75-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 561-1	AZ
2511 V-02	IA300	167,670		75-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 561-1	AZ
2511 V-03	IA300	167,671		75-OTS	ARC - 11-FOOT TRANSONIC WIND TUNNEL (UNI TARY) 561-1	AZ
2514	FA301	167,687		LAUNCH VEHICLE WITH INTERSTAGE FAI RINGS	MSFC - 14-INCH TRISONIC WIND TUNNEL 692	A6

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CARRIER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2201	CA3	160,854		BOEING 747 CARRIER (MODEL TE 1065)	UW - LOW SPEED WIND TUNNEL 1136	GL
2211 V-01	CA5	141,800		O.03-SCALE AX 1319 I-1 (CARRIER) M ODEL	TBCA - TRANSONIC WIND TUNNEL 1431	GM
2211 V-02	CA5	141,803		O.03-SCALE AX 1319 I-1 (CARRIER) M ODEL	TBCA - TRANSONIC WIND TUNNEL 1431	GM
2211 V-03	CA5	141,804		O.03-SCALE AX-1319 I-1(CARRIER) MO DEL	TBCA - TRANSONIC WIND TUNNEL 1431	GM
2217 V-01	CA20	141,844		O.03-SCALE 45-O MODIFIED SSV ORBIT ER 140A/B	TBCA - TRANSONIC WIND TUNNEL 1431	GN
2217 V-02	CA20	141,845		O.03-SCALE 45-O MODIFIED SSV ORBIT ER 140A/B	TBCA - TRANSONIC WIND TUNNEL 1431	GN
2217 V-03	CA20	141,846		O.03-SCALE 45-O MODIFIED SSV ORBIT ER 140A/B	TBCA - TRANSONIC WIND TUNNEL 1431	GN
2236	CA11	141,835		BOEING 747 MATED WITH AN EXTERNAL TANK	UW - LOW SPEED WIND TUNNEL 1146	GO
2243	CA23A	144,583		MODEL 48-O/AX1318I-1 O.0125 SCALE	ARC - 14-FOOT TRANSONIC WIND TUNNEL 080	E9
2262 V-01	CA6	147,630		CARRIER W/ ORB. ALONE, CARRIER ALO NE, MATED 747/ORBITER	TBCA - TRANSONIC WIND TUNNEL 1472	GP

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CARRIER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2262 V-02	CA6	147,631		CARRIER W/ ORB. ALONE, CARRIER ALO NE, MATED 747/ORBITER	TBCA - TRANSONIC WIND TUNNEL 1472	- GP
2268 V-01	CA9 CA9P	151,396		BOEING AX1319P-1 CARRIER	TBCA - TRANSONIC WIND TUNNEL 1477	- GQ
2268 V-02	CA9 CA9P	151,397		BOEING AX1319P-1 CARRIER	TBCA - TRANSONIC WIND TUNNEL 1477	- GQ
2268 V-03	CA9 CA9P	151,398		BOEING AX1319P-1 CARRIER	TBCA - TRANSONIC WIND TUNNEL 1477	- GQ
2268 V-04	CA9 CA9P	151,399		BOEING AX1319P-1 CARRIER	TBCA - TRANSONIC WIND TUNNEL 1477	- GQ
2268 V-05	CA9 CA9P	151,400		BOEING AX1319P-1 CARRIER	TBCA - TRANSONIC WIND TUNNEL 1477	- GQ
2273 V-01	CA26	144,612		AX1318I-1, 747/1, 747/4	LTV - HIGH SPEED WIND TUNNEL 559	- FE
2273 V-02	CA26	144,613		AX1318I-1, 747/1, 747/4	LTV - HIGH SPEED WIND TUNNEL 559	- FE
2273 V-03	CA26	144,614		AX1318I-1, 747/1, 747/4	LTV - HIGH SPEED WIND TUNNEL 559	- FE
2273 V-04	CA26	144,615		AX1318I-1, 747/1, 747/4	LTV - HIGH SPEED WIND TUNNEL 559	- FE

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CARRIER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2338	CS3	147,639		AX1322D-3, ORBITER MODEL 8-0	UW - LOW SPEED WIND TUNNEL 1170	- GU
2341	CS4/5	147,638		747CAM/ORBITER	TBCA - TRANSONIC WIND TUNNEL 1490/1493	- GV
2347 V-01	CA15A	160,482		.04 SCALE 747-100	UW - LOW SPEED WIND TUNNEL 1173	- GS
2348 V-01	CA15B	160,483		747-100 ALONE	UW - LOW SPEED WIND TUNNEL 1178	- GT
2349	CA17	151,379		CARRIER B29BW45N5857M2526T14Q12AT 115.1106.1V9.1.3FTS1	UW - LOW SPEED WIND TUNNEL 1184	- GW

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CARRIER DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2273 V-05	CA26	144,616		AX1318I-1, 747/1, 747/4	LTV - HIGH SPEED WIND TUNNEL 559	FE
2275 V-01	CA23B	144,603		0.0125-SCALE SSV ORBITER	ARC - 14-FOOT TRANSONIC WIND TUNNEL 120	NH
2275 V-02	CA23B	144,604		0.0125-SCALE SSV ORBITER	ARC - 14-FOOT TRANSONIC WIND TUNNEL 120	NH
2290 V-01	CA8	147,641		747/ORBITER-FERRY CONFIGURATION, 7 47/ORBITER-ALT CONFIGURATIONS	LARC - V/STOL TRANSITION RESEARCH WIND TU NNEL 129	JF
2290 V-02	CA8	147,642		747/ORBITER-FERRY CONFIGURATION, 7 47/ORBITER-ALT CONFIGURATIONS	LARC - V/STOL TRANSITION RESEARCH WIND TU NNEL 129	JF
2290 V-03	CA8	147,643		747/ORBITER-FERRY CONFIGURATION, 7 47/ORBITER-ALT CONFIGURATIONS	LARC - V/STOL TRANSITION RESEARCH WIND TU NNEL 129	JF
2307 V-01	CA14A	160,840		BOEING 747 CAM W/TYPE II MODIFICAT ION (MODEL TR-1007)	TBCA - TRANSONIC WIND TUNNEL 1496 1497	GR
2307 V-02	CA14A	160,841		BOEING 747 CAM W/TYPE II MODIFICAT ION (MODEL TR-1007)	TBCA - TRANSONIC WIND TUNNEL 1496 1497	GR
2332	CA13	151,373		ORBITER- TAILCONE OFF, TAILCONE ON -TC19,	ARC - 14-FOOT TRANSONIC WIND TUNNEL 121	NZ

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EXTERNAL TANK DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2085	DH10 IH2	167,344			ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 171	B9
2133	IA58	134,110		EXTERNAL TANK	LARC - CONTINUOUS-FLOW HYPERSONIC TUNNEL 107	QK
2136 V-01	IH3	141,514		B17 C7 M4 F5 W103 E22 V7 R5	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 178	EI
2136 V-02	IH3	141,515		B17 C7 M4 F5 W103 E22 V7 R5 T10	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 178	EI
2136 V-03	IH3	141,516		B17 C7 M4 F5 W103 E22 V7 R5 T10	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 178	EI
2136 V-04	IH3	141,517		B17 C7 M4 F5 W103 E22 V7 R5 T10	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 178	EI
2145	TA1F	134,420		EXTERNAL TANK WITH PROTUBERANCES EXTERNAL TANK WITHOUT PROTUBERANCE S	MSFC - 14-INCH TRISONIC WIND TUNNEL 583	99
2153	IH1	151,377		SRB ALONE	LARC - UNITARY PLAN WIND TUNNEL 1071	Q7
2165 V-01	TA2F	141,823		EXTERNAL TANK WITH AND WITHOUT PRO TUBERANCES,0.003 SCALE	MSFC - 14-INCH TRISONIC WIND TUNNEL 596	1A
2165 V-02	TA2F	141,824		EXTERNAL TANK WITH AND WITHOUT PRO TUBERANCES,0.003 SCALE	MSFC - 14-INCH TRISONIC WIND TUNNEL 596	1A

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EXTERNAL TANK DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2165 V-03	TA2F	141,825		EXTERNAL TANK WITH AND WITHOUT PRO TUBERANCES,0.003 SCALE	MSFC - 14-INCH TRISONIC WIND TUNNEL 596	1A
2165 V-04	TA2F	141,826		EXTERNAL TANK WITH AND WITHOUT PRO TUBERANCES,0.003 SCALE	MSFC - 14-INCH TRISONIC WIND TUNNEL 596	1A
2165 V-05	TA2F	141,827		EXTERNAL TANK WITH AND WITHOUT PRO TUBERANCES,0.003 SCALE	MSFC - 14-INCH TRISONIC WIND TUNNEL 596	1A
2181	TA9F	134,425		EXTERNAL TANK	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 196	EY
2197	FH10	134,418		ET MODEL MCRO200	AEDC - HYPERVELOCITY WIND TUNNEL (F) VA291	TX
2208 V-01	TA3F	144,590		MODEL NO. 470	MSFC - 14-INCH TRISONIC WIND TUNNEL 609	1G
2208 V-02	TA3F	144,591		MODEL NO. 470	MSFC - 14-INCH TRISONIC WIND TUNNEL 609	1G
2218	TH1F	151,367		EXTERNAL TANK	AEDC - HYPERVELOCITY WIND TUNNEL (F) 25A	TY
2276	FH13	151,055		40-DEG NOSE-CLEAN(NO PROTUBERANCES) DOUBLE CONE(10-DEG-40-DEG)(NO PROT UBERANCES)	AEDC - SUPERSONIC WIND TUNNEL (A) E1A	VD
2313 V-01	FH14	151,041		.0275 SCALE SPACE SHUTTLE EXTERNAL TANK	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 215	NT

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EXTERNAL TANK DATA

DMS DMS-DR-	NASA SERIES NUMBER	NASA CR NUMBER	NASA TM-X NUMBER	CONFIGURATION	TEST NUMBER	DATASET 2-CHARACTER DESCRIPTOR
2313 V-02	FH14	151,042		.0275 SCALE SPACE SHUTTLE EXTERNAL TANK	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 215	- NT
2313 V-03	FH14	151,043		.0275 SCALE SPACE SHUTTLE EXTERNAL TANK	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 215	- NT
2423	FH16	151,768		30,10,40 DEGREES CONICAL SPIKE FOR ET	ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL 237	- 3A

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Wind Tunnel Tests/DMS Data Processing Summary

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WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC UPWT 1002 MA5 CR-128,750	*AERODYNAMIC STABILITY AND CONTROL CHARACTERISTICS OF F A .01925 SCALE MODEL NR ATP ORBITER AT MACH NUMBER 1.9 TO 4.63	*AERODYNAMIC STABILITY AND CONTROL OF NR ATP ORBITER CONFIGURATION	*AERODYNAMIC STABILITY AND CONTROL OF NR ATP ORBITER CONFIGURATION	*FORCE	*0.01925 / *1.9 - *4.63	*LARC / *LARC - *UNITARY PLAN WIND TUNNEL	*R. FOURNIER, B. SPENCER / LARC *J. E. VAUGHN *J. L. GLYNN	*DMS-DR-2001 *NOV., 1972
LARC 8TPT 626 LA1 CR-128,752	*RESULTS OF TRANSONIC TESTS IN THE NASA/LARC 8 FOOT PRESSURE TUNNEL N A 0.015 SCALE MODEL NR-PRR SPACE SHUTTLE ORBITER	*TRANSONIC AERODYNAMIC CHARACTERISTICS	*TRANSONIC AERODYNAMIC CHARACTERISTICS	*FORCE	*0.015 / *0.3 - *1.3	*LARC / *LARC - *8-FOOT TRANSONIC PRESSURE TUNNEL	*R. MENNELL, B. SPENCER / NR *R. SINGELLTON	*DMS-DR-2002 *MARCH, 1973
LARC 22HT 409 MA2 CR-128,754	*HYPERSONIC AERODYNAMIC CHARACTERISTICS OF NR-ATP ORBITER WITH EXTERNAL TANK AND ASCENT CONFIGURATION	*HYPERSONIC AERODYNAMIC CHARACTERISTICS OF NR-ATP ORBITER	*HYPERSONIC AERODYNAMIC CHARACTERISTICS OF NR-ATP ORBITER	*FORCE	*0.0045 / *20.3 -	*LARC / *LARC - *22-INCH HELIUM TUNNEL	*G. C. ASHBY / LARC *J. E. VAUGHN	*DMS-DR-2003 *APRIL, 1973
LTV 1520SWT S-081 MA1 CR-120,082	*LONGITUDINAL AERODYNAMIC CHARACTERISTICS OF LOW ASPECT RATIO WING CONFIGURATIONS IN GROUND EFFECT FOR A MOVING AND STATIIONARY GROUND SURFACE	*ELEVON EFFECTIVENESS AND ALTERNATE CONFIGURATION GEOMETRIES IN PRESENCE OF GROUND EFFECT	*ELEVON EFFECTIVENESS AND ALTERNATE CONFIGURATION GEOMETRIES IN PRESENCE OF GROUND EFFECT	*FORCE	*0.05 / *0.067 -	*MSC / *LTV - *15-FOOT BY 20-FOOT SUBSONIC WIND TUNNEL	*P. ROMERE / MSC *J. E. VAUGHN *W. M. HALE	*DMS-DR-2004 *NOV., 1972

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC 14TWT 555 OA1 CR-120,070	- *AERODYNAMIC STABI*NR ATP BASELINE O* - *LITY, CONTROL EFF*RBITER /*ECTIVENESS AND DR* *AG CHARACTERISTIC* *S OF A SHUTTLE OR* *BITER CONFIGURATI* *ON AT MACH NUMBER* *S FROM 0.6 TO 4.9* *6*	*AERODYNAMIC STABI*FORCE *LITY AND CONTROL* *EFFECTIVENESS AND* *DRAG CHARACTERIS* *TICS*			*0.004 / *MSFC / *0.6 - *MSFC - *4.96 *14-INCH TRISON* *IC WIND TUNNEL*-DMS	*P. RAMSEY /MSFC *V. W. SPARKS *J. L. GLYNN	*DMS-DR-2005 *NOV., 1972	
MSFC 14TWT 556 IA1A CR-120,088	- *AERODYNAMIC STATI*MSFC/NR PARAMETRI* - *C STABILITY AND C* LAUNCH VEHICLE /*ONTROL EFFECTIVEN* *ESS OF A PARAMETR* *IC SHUTTLE LAUNCH* *CONFIGURATION*	*PERFORMANCE, STAB*FORCE *ILITY AND CONTROL* *CHARACTERISTICS* *S OF A PARAMETR* *IC SHUTTLE LAUNCH* *CONFIGURATION*			*0.004 / *MSFC / *0.6 - *MSFC - *4.96 *14-INCH TRISON* *IC WIND TUNNEL*J. L. GLYNN *-DMS	*P. E. RAMSEY /MSF* *C *V. W. SPARKS *J. L. GLYNN	*DMS-DR-2006 *DEC., 1972	
ARC 3.5HWT 147 OA4 CR-128,760	- *RESULTS OF INVEST*NR SSV ORBITER - *IGATIONS ON A O.O* /*15 SCALE MODEL NO* *RTH AMERICAN ROCK* *WELL SPACE SHUTTL* *E ORBITER IN THE* *NASA/ARC 3.5 FOOT* *HYPERSONIC WIND* *TUNNEL*	*STATIC STABILITY*FORCE *AND TRIM CAPABILI* *TY, COMPONENT INC* *REMENTAL EFFECTS* *E ORBITER IN THE* *NASA/ARC 3.5 FOOT* *HYPERSONIC WIND* *TUNNEL*			*0.015 / *ARC / *7.3 - *ARC - *3.5-FOOT HYPER* *SONIC WIND TUN*W. R. MORGAN *NEL *-DMS	*B. CAMERON, C. W.* *LAMONT /NR *T. L. MULKEY *W. R. MORGAN	*DMS-DR-2007 *MARCH, 1973	
LARC CFHT 89 MA4 CR-128,751	- *STATIC STABILITY*NR ATP ORBITER - *AND PERFORMANCE C* /*HARACTERISTICS OF* *THE A.T.P. ORBIT* *ER AT M=10.3*	*AERODYNAMIC STABI*FORCE *LITY AND PERFORMA* *NCE AT HYPERSONIC* *MACH NO. OF 10*			*0.0075 / *LARC / *10.3 - *LARC - *CONTINUOUS-FLO*V. W. SPARKS *W HYPERSONIC T*J. R. ZILER *UNNEL *-DMS	*T. BLACKSTOCK /LA* *RC *V. W. SPARKS *J. R. ZILER	*DMS-DR-2008 *JAN., 1973	
LARC CFHT 89 MA4 CR-128,751	- *STATIC STABILITY*NR ATP ORBITER - *AND PERFORMANCE C* /*HARACTERISTICS OF* *THE A.T.P. ORBIT* *ER AT M=10.3*	*AERODYNAMIC STABI*FORCE *LITY AND PERFORMA* *NCE AT HYPERSONIC* *MACH NO. OF 10*			*0.0075 / *LARC / *10.3 - *LARC - *CONTINUOUS-FLO*V. W. SPARKS *W HYPERSONIC T*J. R. ZILER *UNNEL *-DMS	*T. BLACKSTOCK /LA* *RC *V. W. SPARKS *J. R. ZILER	*DMS-DR-2008 *REVISION 01 *MAY, 1973	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 66SWT 650 OA3 CR-128,761	*AERODYNAMIC CHARACTERISTICS OF THE ROCKWELL INTERNAL ORBITER OA3 AT MACH NUMBERS FROM 0.6 TO 2.0	*SHUTTLE ORBITER O3	*GEOMETRIC VARIATIONS, LONGITUDINAL AND LATERAL-DIRECTIONAL STABILITY EFFECTS	*FORCE	*0.015 / *0.6 - *2.0		*ARC / *ARC - *6-FOOT BY 6-FOOT *OT SUPERSONIC *WIND TUNNEL	*B. CAMERON, J. CAMPBELL, T. PAINE / R. J. FRICKEN *DMS	*DMS-DR-2009 *JUNE, 1973
MSFC 14TWT 545 IA1B CR-120,060	*DETERMINATION OF THE AERODYNAMIC INTERFERENCE BETWEEN THE SPACE SHUTTLE ORBITER, EXTERNAL TANK, AND SOLID ROCKET BOOSTER ON A 0.004 SCALE ASCENT CONFIGURATION	*NR ATP ORBITER/TANK AND SRMS ON AN	*AERODYNAMIC CHARACTERISTICS DURING SEPARATION	*FORCE	*0.004 / *0.60 - *4.96		*MSFC / *MSFC - *14-INCH TRISONIC WIND TUNNEL	*P. RAMSEY / MSFC - R. BUCHHOLZ / LMSC - E. ALLEN / RICHARD J. DEHART / NSI *V. W. SPARKS *J. R. ZILER *DMS	*DMS-DR-2010 *MAY, 1973
MSFC 14TWT 558 MA9F CR-120,089	*SPACE SHUTTLE (ATMOSPHERIC CONFIGURATION) *P CONFIGURATION) *ABORT STAGING INVESTIGATION	*NR ATP ORBITER/EXTERNAL TANK AND SOLID ROCKET BOOSTER	*BASELINE SEPARATION	*FORCE	*0.004 / *0.9 - *2.0		*MSFC / *MSFC - *14-INCH TRISONIC WIND TUNNEL	*J. RAMPY / NSI - K. BLACKWELL / MSFC - E. ALLEN / RICHARD I. FOSSLER / MSC *V. W. SPARKS *J. R. ZILER *DMS	*DMS-DR-2011 *APRIL, 1973
MSFC 14TWT 554 SA1F CR-120,090	*AERODYNAMIC CHARACTERISTICS OF A 1/62-INCH DIAMETER SOLID ROCKET BOOSTER WITH AND WITHOUT STRAKES	*SRB(PRR)	*DETERMINE STATIC AERODYNAMIC CHARACTERISTICS OF 1/62-INCH DIAMETER SOLID ROCKET BOOSTER WITH AND WITHOUT STRAKES	*FORCE	*0.0049 / *0.6 - *3.48		*MSFC / *MSFC - *14-INCH TRISONIC WIND TUNNEL	*JOSH JOHNSON / MSFC - W. D. RADFORD *NSI - J. RAMPY / *V. W. SPARKS *J. R. ZILER *DMS	*DMS-DR-2012 *APRIL, 1973

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 97SWT 616 IA2 CR-128,762	- *EFFECT OF GASEOUS* *AND SOLID SIMULA* /*TED JET PLUMES ON* *AN O40A SPACE	*SHUTTLE ORBITER/T* *ANK SRM (N-O40A)	*PLUME EFFECTS ON * *STABILITY AND CON* *TROL CHARACTERIST*	*FORCE	*0.019 / *1.6 - *2.2	*ARC / *ARC - *9-FOOT BY 7-FO*	*J.B.DODS, JR., / */ET AL *V. W. SPARKS	*ARC*DMS-DR-2013 *FEB., 1974
	CH NUMBERS FROM 1 *.6 TO 2.2	*SHUTTLE LAUNCH CO* *NFIGURATION AT MA* *CH NUMBERS FROM 1*	*ICS			*OT SUPERSONIC * *WIND TUNNEL (U*- *NITARY)	*B. J. FRICKEN *DMS	
LARC UPWT 1007 OA7 CR-128,753	- *RESULTS OF SUPERS* *ONIC TESTS IN THE* /*LARC UNITARY PLA* *N WIND TUNNEL ON * *.015 SCALE MODE*	*NR PRR-SSV ORBITE* *NAMIC CHARACTERIS* *TICS *CONTROL EFFECTIVE* *NESS *MODEL COMPONENT E* *FFECTS *WING AREA-THICKNE* *SS SURVEYS	*SUPERSONIC AERODY* *NAMIC CHARACTERIS* *TICS *CONTROL EFFECTIVE* *NESS *MODEL COMPONENT E* *FFECTS *WING AREA-THICKNE* *SS SURVEYS	*FORCE	*0.015 / *2.5 - *4.6	*LARC / *LARC - *UNITARY PLAN W* *IND TUNNEL	*B. SPENCER, R. ME* *NNELL /NR *J. E. VAUGHN *B. J. FRICKEN *-DMS	*DMS-DR-2014 *MARCH, 1973
LTV HSWT 458 IA4 CR-120,091	- *AERODYNAMIC RESUL* *TS OF SEPARATION * /*TESTS IN THE VOUG* *HT AERONAUTICS 4X* *4FT HSWT ON A .00* *75 SCALE ROCKWELL* *INTERNATIONAL-AT * *P SHUTTLE INTEGRA* *TED VEHICLE	*NASA SSV ORBITER * *ON NR EOHT WITH S* *INGLE BSRM *TUDINAL AND LATE* *RAL-DIRECTIONAL S* *TABILITY AND CONT* *ROL CHARACTERISTI* *CS *INTERNATIONAL-AT * *P SHUTTLE INTEGRA* *TED VEHICLE	*EFFECTS OF BSRM S* *EPARATION ON LONG* *TUDINAL AND LATE* *RAL-DIRECTIONAL S* *TABILITY AND CONT* *ROL CHARACTERISTI* *CS *INTERNATIONAL-AT * *P SHUTTLE INTEGRA* *TED VEHICLE	*FORCE	*0.0075 / *2.4 - *4.39	*LTV / *MSC / *LTV - *HIGH SPEED WIN* *D TUNNEL	*P. ROMERE/JSC, C.* *ZIEGLER, VSD *J. RILEY, J.S. PR* *IGGE /ROCKWELL *J. E. VAUGHN *B. J. FRICKEN *-DMS	*DMS-DR-2015 *VOLUME 01 *JULY, 1973
LTV HSWT 458 IA4 CR-120,091	- *AERODYNAMIC RESUL* *TS OF SEPARATION * /*TESTS ON THE VOUG* *HT AERONAUTICS 4F* *T X 4FT HSWT ON A* *.0075 SCALE ROCK * *WELL INTERNATIONAL* *L-ATP SHUTTLE INT* *EGRATED VEHICLE	*NASA SSV ORBITER * *ON NR EOHT WITH S* *INGLE BSRM *TUDINAL AND LATE* *RAL-DIRECTIONAL S* *TABILITY AND CONT* *ROL CHARACTERISTI* *CS *WELL INTERNATIONAL* *L-ATP SHUTTLE INT* *EGRATED VEHICLE	*EFFECTS OF BSRM S* *EPARATION ON LONG* *TUDINAL AND LATE* *RAL-DIRECTIONAL S* *TABILITY AND CONT* *ROL CHARACTERISTI* *CS *WELL INTERNATIONAL* *L-ATP SHUTTLE INT* *EGRATED VEHICLE	*FORCE	*0.0075 / *2.4 - *4.39	*MSC / *LTV - *HIGH SPEED WIN* *D TUNNEL	*P. ROMERE/JSC, C.* *ZIEGLER, VSD *J. RILEY, J. S. P* *RIGGE/RI *J. E. VAUGHN *B. J. FRICKEN *-DMS	*DMS-DR-2015 *VOLUME 02 *JULY, 1973

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD 689 OA2 CR-120,092	- *RESULTS OF INVESTIGATIONS ON A O.O* /*405 SCALE MODEL A* *TP VERSION OF THE* *NR-SSV ORBITER IN* *THE NORTH AMERIC* *AN AERONAUTICAL L* *ABORATORY LOW SPE* *ED WIND TUNNEL*	*NR ATP ORBITER	*SUBSONIC AERODYNA* *MIC CHARACTERISTI* *CS*	*FORCE*	*0.0405 / *0.165- *0.26	/*NR / *NRLAD - *LOW SPEED WIND* *TUNNEL*	/*R. MENNELL /NR *R. SINGELLTON *-DMS*	*DMS-DR-2016 *APRIL, 1973*	
NRLAD 690 OA5 CR-123,851	- *RESULTS OF INVESTIGATIONS ON A O.O* /*405 SCALE MODEL P* *RR VERSION OF THE* *NR-SSV ORBITER IN* *THE NORTH AMERIC* *AN AERONAUTICAL L* *ABORATORY LOW SPE* *ED WIND TUNNEL*	*NR ATP ORBITER	*SUBSONIC AERODYNA* *MIC CHARACTERISTI* *CS*	*FORCE*	*0.0405 / *0.165- *0.26	/*NR / *NRLAD - *LOW SPEED WIND* *TUNNEL*	/*R. KINGSLAND /NR *R. SINGELLTON *-DMS*	*DMS-DR-2017 *APRIL, 1973*	
NRLAD 693 IA3 CR-128,755	- *CROSS WIND LOADS *ATP LAUNCH CONFIG* *INVESTIGATION OF *URATION /*A .01925 SCALE MO* *DEL OF THE ATP-SS* *V LAUNCH CONFIGUR* *ATION*	*CROSSWIND LOADS	*FORCE*	*0.01925 / *0.069- *0.25	/*NR / *NRLAD - *LOW SPEED WIND* *TUNNEL*	/*L.S. KATOW /RI *T. L. MULKEY *S. W. BROWN *-DMS*	*DMS-DR-2018 *JUNE, 1973*		
NRLAD 694 OA6 CR-128,756	- *LOW SPEED LONGITU*ATP AND PRR ORBIT* *DINAL AND LATERAL*ER /*STABILITY CHARAC* *TERISTICS OF A PR* *PRR SHUTTLE ORBIT* *ER CONFIGURATION*	*INVESTIGATE CONFI* *GURATION VARIABLE* *S TO IMPROVE TOUC* *HDOWN LIFT* *CAPABILITIES*	*FORCE*	*0.0405 / *0.165- *0.26	/*NR / *NRLAD - *LOW SPEED WIND* *TUNNEL*	/*R. B. KINGSLAND/R* *OCKWELL *T. L. MULKEY *D. A. SARVER *-DMS*	*DMS-DR-2019 *JUNE, 1973*		
NRLAD 696 OA9 CR-128,757	- *LOW SPEED INVESTI*PRR ORBITER *GATION OF THE PRR* /*PLANFORM WING BO* *TH IN AND OUT OF* *GROUND EFFECT*	*OPTIMIZE PRR PLAN* *FORM WING IN AND* *OUT OF GROUND EFF* *ECT*	*FORCE*	*0.0405 / *0.16 - *0.26	/*NR / *NRLAD - *LOW SPEED WIND* *TUNNEL*	/*R. B. KINGSLAND, *L. KATOW /RI *D. A. SARVER *-DMS*	*DMS-DR-2020 *JUNE, 1973*		

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH SCALE RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD LSWT 699 OA45 CR-128,758	- *PRESSURE LOADS AN*-89A ORBITER - *D AERODYNAMIC FOR* /*CE INFORMATION FO* *R THE -89A SPACE * *SHUTTLE ORBITER C* *ONFIGURATION		*PRESSURE LOADS DA* *TA IN GROUND EFFE* *CT	*PRESSURE	*0.2 - *0.2	*NR / *NRLAD - *LOW SPEED WIND* *TUNNEL	*R. MENNELL /ROCKW* *ELL *H. C. ZIMMERLE *-DMS	*DMS-DR-2021 *VOLUME 01 *NOV., 1973
NRLAD LSWT 699 OA45 CR-128,758	- *PRESSURE LOADS AN*-89A ORBITER - *D AERODYNAMIC FOR* /*CE INFORMATION FO* *R THE -89A SPACE * *SHUTTLE ORBITER C* *ONFIGURATION		*PRESSURE LOADS DA* *TA IN GROUND EFFE* *CT	*PRESSURE	*0.2 - *0.2	*NR / *NRLAD - *LOW SPEED WIND* *TUNNEL	*R. MENNELL /ROCKW* *ELL *H. C. ZIMMERLE *-DMS	*DMS-DR-2021 *VOLUME 02 *OCT., 1973
NRLAD LSWT 698 OA10 CR-128,759	- *AERODYNAMIC CHARA*RI -89B ORBITER - *CTERISTICS OF THE* /*ROCKWELL INTERNA * *TIONAL -89B SPACE* *SHUTTLE ORBITER * *CONFIGURATION		*LONGITUDINAL AND * *LATERAL-DIRECTION* *AL STABILITY LEVE* *LS	*FORCE	*0.0405 / *0.16 - *0.26	*NR / *NRLAD - *LOW SPEED WIND* *TUNNEL	*R. B. KINGSLAND / *RI *T. L. MULKEY *S. W. BROWN *-DMS	*DMS-DR-2022 *JUNE, 1973
LARC 22HT 411 LA2 CR-128,763	- *STATIC AERODYNAMI*LO-100 ORBITER - *C CHARACTERISTICS* /*AND OIL FLOW AND * *ELECTRON BEAM * *RESULTS OF A 0.00* *5 SCALE MODEL LAN* *GLE Y CONCEPT SPAC* *E SHUTTLE ORBITER* *(LO-100) AT A MAC* *H NUMBER OF 20.3 *		*DETERMINE HYPERSO* *NIC PERFORMANCE, * *STATIC STABILITY * *AND CONTROL * *EFFECTIVENESS AND* *EXAMINE FLOW ABO * *UT THE LO-100 ORB* *ITER	*FORCE	*0.0050 / *20.30- *20.30	*LARC / *LARC - *22-INCH HELIUM* *TUNNEL	*D. STONE /LARC *V. W. SPARKS *D. A. SARVER *-DMS	*DMS-DR-2023 *JUNE, 1973
ARC 11TWT 686 IA7 CR-128,766	- *WIND TUNNEL TEST *O40A SPACE SHUTTL* - *OF THE 0.019 (O40*E INTEGRATED VEHI* /*A) JET PLUME SPAC*CLE *E SHUTTLE INTEGRA* *TED VEHICLE IN TH* *E ARC 11-FOOT UNI* *TARY WIND TUNNEL *		*STABILITY AND CON* *TROL DATA, WING P* *RESSURE AND NOZZL* *E PRESSURE DISTRI* *BUTIONS	*FORCE	*0.019 / *0.9 - *1.2	*ARC / *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY)	*R. B. HARDIN /RI *T. L. MULKEY *W. M. HALE *-DMS	*DMS-DR-2024 *AUGUST, 1973

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC 14TWT 565 SA3F CR-128,767	*AERODYNAMIC CHARACTERISTICS OF A 1/42-INCH DIAMETER SOLID ROCKET BOOSTER WITH AND WITHOUT STRAKES	*142-INCH DIAMETER *HOUT STRAKES	*DETERMINATION OF FORCE *STATIC AERODYNAMIC *C FORCES AND MOMENTS WITH COMPONENT BUILD-UP	*FORCE	*0.00563 / *0.6 - *3.48	*MSFC / *MSFC - *14-INCH TRISONIC WIND TUNNEL	*JOSH D. JOHNSON / *NASA/MSFC *WALTER D. RADFORD *V. W. SPARKS *A. T. KAVANAUGH *-DMS	*DMS-DR-2025 *MAY, 1973
MSFC 14TWT 566 IA31F CR-128,778	*AERODYNAMIC INVESTIGATIONS ON A O.004 SCALE MODEL MCR 0074 BASELINE SPACE SHUTTLE LAUNCH VEHICLE AT MACH NO. BETWEEN 0.6 AND 4.96	*MCR 0074 BASELINE *O.004 SCALE MODEL *R 0074	*DETERMINE THE EFFECTS OF MODEL PARAMETRIC VARIATIONS ON AERODYNAMIC STATIC STABILITY CHARACTERISTICS OVER A MACH NO. RANGE OF 0.6 TO 4.96	*FORCE	*0.004 / *0.6 2- *0.2	*MSFC / *MSFC - *14-INCH TRISONIC WIND TUNNEL	*PAUL RAMSEY/MSFC *- M. K. ROBERTSON *V. W. SPARKS *B. W. MYERS *-DMS	*DMS-DR-2026 *SEPT., 1973
MSFC 14TWT 567 IA32FB CR-141,807	*AN INVESTIGATION IN THE NASA MSFC 1/4-INCH TRISONIC WIND TUNNEL TO DETERMINE THE PRESSURE DISTRIBUTION OVER THE COMPONENTS OF A O.004 SCALE VERSION OF THE ROCKWELL MCR 007 4 BASELINE SHUTTLE ASCENT CONFIGURATION (IA32FB)	*ORB. WITH ET AND *2 SRB'S	*PRESSURE		*0.004 / *0.6 - *4.96	*MSFC / *MSFC - *14-INCH TRISONIC WIND TUNNEL	*P. E. RAMSEY /MSFC *-DMS *V. W. SPARKS *M. M. MOSER JR.	*DMS-DR-2027 *VOLUME 01 *SEPT., 1975

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC 14TWT 567 IA32FB CR-141,808	- *AN INVESTIGATION *IN THE NASA MSFC / *14-INCH TRISONIC *WIND TUNNEL TO DE *TERMINE THE PRESS *URE DISTRIBUTION *OVER THE COMPONENTS *TS OF A 0.004 SCALE VERSION OF THE *ROCKWELL MCR 007 *4 BASELINE SHUTTLE *E ASCENT CONFIGURATION (IA32F)	*ROB. WITH ET AND *2 SRB'S	*DETERMINE PRESSURE *E DISTRIBUTION OVER ET, SRB, ORBIT *ER WING		*0.004 / *0.6 - *4.96	MSFC / MSFC - *14-INCH TRISONIC WIND TUNNEL	*P. E. RAMSEY / *FC *V. W. SPARKS *M. M. MOSER JR. *-DMS	MSFC *DMS-DR-2027 *VOLUME 02 *OCT., 1975
MSFC 14TWT 567 IA32FB CR-141,809	- *AN INVESTIGATION *IN THE NASA MSFC / *14-INCH TRISONIC *WIND TUNNEL TO DE *TERMINE THE PRESS *URE DISTRIBUTION *OVER THE COMPONENTS *TS OF A 0.004 SCALE VERSION OF THE *ROCKWELL MCR 007 *4 BASELINE SHUTTLE *E ASCENT CONFIGURATION (IA32F)	*ORB. WITH 2 SRB'S	*DETERMINE PRESSURE *E DISTRIBUTION OVER ET, SRB, ORBIT *ER WING		*0.004 / *0.6 - *4.96	MSFC / MSFC - *14-INCH TRISONIC WIND TUNNEL	*P. E. RAMSEY / *V. W. SPARKS *M. M. MOSER JR. *-DMS	MSFC *DMS-DR-2027 *VOLUME 03 *OCT., 1975

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC 14TWT 570 IA31FB CR-134,434	- *TRIPLE BALANCE TE*MCR 0074 ORBITER - *ST OF THE PRR BAS*LAUNCH /*ELINE SPACE SHUTT* *LE CONFIGURATION * (TWT 570)	*TO OBTAIN FORCE A*FORCE *ND MOMENT DATA FO* *R THE MCR 0074 OR* *BITER (PRR BASELI* *NE), EXTERNAL TAN* *K, AND SOLID ROCK* *ET BOOSTER IN THE* *LAUNCH CONFIGURA * *TION AND TO IDENT* *IFY KEY SIMULATIO* *N PARAMETERS TO B* *E USED IN LAUNCH * *VEHICLE WIND TUNN* *EL TESTS	*TO OBTAIN FORCE A*FORCE *ND MOMENT DATA FO* *R THE MCR 0074 OR* *BITER (PRR BASELI* *NE), EXTERNAL TAN* *K, AND SOLID ROCK* *ET BOOSTER IN THE* *LAUNCH CONFIGURA * *TION AND TO IDENT* *IFY KEY SIMULATIO* *N PARAMETERS TO B* *E USED IN LAUNCH * *VEHICLE WIND TUNN* *EL TESTS	*O.004 / *MSFC / *0.6 - *MSFC - *4.96 *14-INCH TRISON* *IC WIND TUNNEL* *-DMS	*P. RAMSEY/NASA *T. DAVIS/NSI *V. W. SPARKS *R. B. LOWE *-DMS	*DMS-DR-2028 *VOLUME 01 *DEC., 1974		
MSFC 14TWT 570 IA31FB CR-134,436	- *TRIPLE BALANCE TE*MCR 0074 ORBITER - *ST OF THE PRR BAS*LAUNCH /*ELINE SPACE SHUTT* *LE CONFIGURATION * (TWT 570)	*TO OBTAIN FORCE A*FORCE *ND MOMENT DATA FO* *R THE MCR 0074 OR* *BITER (PRR BASELI* *NE), EXTERNAL TAN* *K, AND SOLID ROCK* *ET BOOSTER IN THE* *LAUNCH CONFIGURA * *TION AND TO IDENT* *IFY KEY SIMULATIO* *N PARAMETERS TO B* *E USED IN LAUNCH * *VEHICLE WIND TUNN* *EL TESTS	*TO OBTAIN FORCE A*FORCE *ND MOMENT DATA FO* *R THE MCR 0074 OR* *BITER (PRR BASELI* *NE), EXTERNAL TAN* *K, AND SOLID ROCK* *ET BOOSTER IN THE* *LAUNCH CONFIGURA * *TION AND TO IDENT* *IFY KEY SIMULATIO* *N PARAMETERS TO B* *E USED IN LAUNCH * *VEHICLE WIND TUNN* *EL TESTS	*O.004 / *MSFC / *0.6 - *MSFC - *4.96 *14-INCH TRISON* *IC WIND TUNNEL* *-DMS	*P. RAMSEY/NASA *T. DAVIS/NSI *V. W. SPARKS *R. B. LOWE *-DMS	*DMS-DR-2028 *VOLUME 02 *DEC., 1974		
MSFC 14TWT 568 OA47 CR-128,765	- *RESULTS OF A STAT*2A ORBITER - *IC STABILITY AND *2A ORBITER WITH S* /*CONTROL EFFECTIVE*YMETRICAL WING *NESS INVESTIGATIO*ORBITER BUILDUP *N OF A 0.004 SCAL* *E 2A ORBITER IN T* *HE MARSHALL SPACE* *FLIGHT CENTER TR * *ISONIC WIND TUNNE* *L (MACH=0.6-4.96)*	*DETERMINE STATIC *FORCE *STABILITY AND CON* *TROL EFFECTIVENES* *S	*DETERMINE STATIC *FORCE *STABILITY AND CON* *TROL EFFECTIVENES* *S	*0.004 / *MSFC / *0.6 - *MSFC - *4.96 *14-INCH TRISON* *IC WIND TUNNEL* *-DMS	*E.C. ALLEN, T. TU *TLE, T. FOSTER / *ROCKWELL *J. E. VAUGHN *W. R. MORGAN *-DMS	*DMS-DR-2029 *MAY, 1973		

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD	- *AERODYNAMIC CHARA*	*-89B ROCKWELL INT*	*AFT-END CONFIGURA*	*FORCE	*0.0405 /	*NR /	*R. B. KINGSLAND	*DMS-DR-2030
LSWT	- *CTERISTICS OF VAR*	*ERNATIONAL SPACE	*TION EFFECTS ON L*		*0.16 -	*NRLAD -	*RI	*AUGUST, 1973
700	/*IOUS AFT-END CONF*	*SHUTTLE ORBITER	*IFT, DRAG AND PIT*			*LOW SPEED WIND*	*T. L. MULKEY	
OA14	*IGURATIONS OF THE*		*CHING MOMENT			*TUNNEL	*W. M. HALE	
CR-128,768	*ROCKWELL INTERNA *						*-DMS	
	TIONAL -89B SPACE							
	*SHUTTLE ORBITER *							
	* *							
LARC	- *HYPERSONIC PERFOR*	*LO-100 ORBITER	*ELEVON AND BODY F*	*FORCE	*0.010 /	*LARC /	*PETER T. BERNOT	*DMS-DR-2031
CFHT	- *MANCE, STABILITY *		*LAP EFFECTIVENESS*		*10.3 -	*LARC -	*LARC	*JUNE, 1973
85	/*AND CONTROL CHARA*					*CONTINUOUS-FLO*	*V. W. SPARKS	
LA3	*CTERISTICS OF A O*					*W HYPERSONIC T*	*S. W. BROWN	
CR-128,769	*.010 SCALE MODEL *					*UNNEL	*-DMS	
	OF A LANGLEY CONC							
	EPT SPACE SHUTTLE							
	*ORBITER *							
	* *							
ARC	- *RESULTS OF TESTS *	*17-OTS	*TO OBTAIN AERODYN*	*FORCE	* 0.030 /	*ARC /	*GILLENS, SPANGLER	*DMS-DR-2032
11TWT	- *OA12 AND IA9 IN T*		*AMIC LOADS ON LAU*		* 0.6 -	*ARC -	*/RI	*VOLUME 01
707	/*HE AMES RESEARCH *		*NCH VEHICLE		*1.4	*11-FOOT TRANSO*	*H. C. ZIMMERLE	*NOV., 1973
87SWT	- *CENTER UNITARY *					*NIC WIND TUNNE*	*-DMS	
707	/*PLAN WIND TUNNELS*					*L (UNITARY)		
IA9A,B,C	*ON AN 0.030-SCAL *					*8-FOOT BY 7-FO*		
OA12A,C	*E MODEL OF THE SP*					*OT SUPERSONIC *		
CR-128,794	*ACE SHUTTLE *					*WIND TUNNEL (U*		
	VEHICLE 2A TO DET					*NITARY)		
	ERMINE AERODYNAMI							
	*C LOADS *							
	* *							
ARC	- *RESULTS OF TESTS *	*17-OTS	*TO OBTAIN AERODYN*	*FORCE	* 0.030 /	*ARC /	*GILLENS, SPANGLER	*DMS-DR-2032
11TWT	- *OA12 AND IA9 IN T*		*AMIC LOADS ON LAU*		* 0.6 -	*ARC -	*/RI	*VOLUME 02
707	/*HE AMES RESEARCH *		*NCH VEHICLE		*1.4	*11-FOOT TRANSO*	*H. C. ZIMMERLE	*NOV., 1973
87SWT	- *CENTER UNITARY *					*NIC WIND TUNNE*	*-DMS	
707	/*PLAN WIND TUNNELS*					*L (UNITARY)		
IA9A,B,C	*ON AN 0.030-SCAL *					*8-FOOT BY 7-FO*		
OA12A,C	*E MODEL OF THE SP*					*OT SUPERSONIC *		
CR-128,794	*ACE SHUTTLE *					*WIND TUNNEL (U*		
	VEHICLE 2A TO DET					*NITARY)		
	ERMINE AERODYNAMI							
	*C LOADS *							
	* *							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *RESULTS OF TESTS	*17-OTS	*TO OBTAIN AERODYN*	*FORCE	* 0.030 /	*ARC /	*GILLENS, SPANGLER	*DMS-DR-2032
11TWT	- *OA12 AND IA9 IN T*		*AMIC LOADS ON LAU*		* 0.6 -	*ARC -	*/RI	*VOLUME 03
707	/*HE AMES RESEARCH *		*NCH VEHICLE		*1.4	*11-FOOT TRANSO*	H. C. ZIMMERLE	*OCT., 1973
87SWT	- *CENTER UNITARY *					*NIC WIND TUNNE*-DMS		
707	/*PLAN WIND TUNNELS*					*L (UNITARY)		
IA9A,B,C	*ON AN 0.030-SCAL *					*8-FOOT BY 7-FD*		
OA12A,C	*E MODEL OF THE SP*					*OT SUPERSONIC *		
CR-128,794	*ACE SHUTTLE					*WIND TUNNEL (U*		
	VEHICLE 2A TO DET					*NITARY)		
	ERMINE AERODYNAMI							
	*C LOADS							
	*							
ARC	- *RESULTS OF TESTS	*17-OTS	*TO OBTAIN AERODYN*	*PRESSURE	* 0.030 /	*ARC /	*GILLENS, SPANGLER	*DMS-DR-2032
11TWT	- *OA12 AND IA9 IN T*		*AMIC LOADS ON LAU*		* 0.6 -	*ARC -	*/RI	*VOLUME 04
707	/*HE AMES RESEARCH *		*NCH VEHICLE		*1.4	*11-FOOT TRANSO*	H. C. ZIMMERLE	*DEC., 1973
87SWT	- *CENTER UNITARY *					*NIC WIND TUNNE*-DMS		
707	/*PLAN WIND TUNNELS*					*L (UNITARY)		
IA9A,B,C	*ON AN 0.030-SCAL *					*8-FOOT BY 7-FD*		
OA12A,C	*E MODEL OF THE SP*					*OT SUPERSONIC *		
CR-128,794	*ACE SHUTTLE					*WIND TUNNEL (U*		
	VEHICLE 2A TO DET					*NITARY)		
	ERMINE AERODYNAMI							
	*C LOADS							
	*							
ARC	- *RESULTS OF TESTS	*17-OTS	*TO OBTAIN AERODYN*	*PRESSURE	* 0.030 /	*ARC /	*GILLENS, SPANGLER	*DMS-DR-2032
11TWT	- *OA12 AND IA9 IN T*		*AMIC LOADS ON LAU*		* 0.6 -	*ARC -	*/RI	*VOLUME 05
707	/*HE AMES RESEARCH *		*NCH VEHICLE		*1.4	*11-FOOT TRANSO*	H. C. ZIMMERLE	*DEC., 1973
87SWT	- *CENTER UNITARY *					*NIC WIND TUNNE*-DMS		
707	/*PLAN WIND TUNNELS*					*L (UNITARY)		
IA9A,B,C	*ON AN 0.030-SCAL *					*8-FOOT BY 7-FD*		
OA12A,C	*E MODEL OF THE SP*					*OT SUPERSONIC *		
CR-128,794	*ACE SHUTTLE					*WIND TUNNEL (U*		
	VEHICLE 2A TO DET					*NITARY)		
	ERMINE AERODYNAMI							
	*C LOADS							
	*							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *RESULTS OF TESTS	*17-OTS	*TO OBTAIN AERODYN*	*PRESSURE	* 0.030 /	*ARC /	*GILLENS, SPANGLER	*DMS-DR-2032
11TWT	- *OA12 AND IA9 IN T*		*AMIC LOADS ON LAU*		* 0.6 -	*ARC -	*/RI	*VOLUME 06
707	/*HE AMES RESEARCH *		*NCH VEHICLE	*	*1.4	*11-FOOT TRANSO*	H. C. ZIMMERLE	*DEC., 1973
87SWT	- *CENTER UNITARY *			*		*NIC WIND TUNNE*-DMS		*
707	/*PLAN WIND TUNNELS*			*		*L (UNITARY) *		*
IA9A,B,C	*ON AN 0.030-SCAL *			*		*8-FOOT BY 7-FO*		*
OA12A,C	*E MODEL OF THE SP*			*		*OT SUPERSONIC *		*
CR-128,794	*ACE SHUTTLE	*		*		*WIND TUNNEL (U*		*
	VEHICLE 2A TO DET			*		*NITARY) *		*
	ERMINE AERODYNAMI			*				*
	*C LOADS	*		*				*
	*	*		*				*
ARC	- *RESULTS OF TESTS	*17-OTS	*TO OBTAIN AERODYN*	*PRESSURE	* 0.030 /	*ARC /	*GILLENS, SPANGLER	*DMS-DR-2032
11TWT	- *OA12 AND IA9 IN T*		*AMIC LOADS ON LAU*		* 0.6 -	*ARC -	*/RI	*VOLUME 07
707	/*HE AMES RESEARCH *		*NCH VEHICLE	*	*1.4	*11-FOOT TRANSO*	H. C. ZIMMERLE	*DEC., 1973
87SWT	- *CENTER UNITARY *			*		*NIC WIND TUNNE*-DMS		*
707	/*PLAN WIND TUNNELS*			*		*L (UNITARY) *		*
IA9A,B,C	*ON AN 0.030-SCAL *			*		*8-FOOT BY 7-FO*		*
OA12A,C	*E MODEL OF THE SP*			*		*OT SUPERSONIC *		*
CR-128,794	*ACE SHUTTLE	*		*		*WIND TUNNEL (U*		*
	VEHICLE 2A TO DET			*		*NITARY) *		*
	ERMINE AERODYNAMI			*				*
	*C LOADS	*		*				*
	*	*		*				*
ARC	- *RESULTS OF TESTS	*17-OTS	*TO OBTAIN AERODYN*	*PRESSURE	* 0.030 /	*ARC /	*GILLENS, SPANGLER	*DMS-DR-2032
11TWT	- *OA12 AND IA9 IN T*		*AMIC LOADS ON LAU*		* 0.6 -	*ARC -	*/RI	*VOLUME 08
707	/*HE AMES RESEARCH *		*NCH VEHICLE	*	*1.4	*11-FOOT TRANSO*	H. C. ZIMMERLE	*DEC., 1973
87SWT	- *CENTER UNITARY *			*		*NIC WIND TUNNE*-DMS		*
707	/*PLAN WIND TUNNELS*			*		*L (UNITARY) *		*
IA9A,B,C	*ON AN 0.030-SCAL *			*		*8-FOOT BY 7-FO*		*
OA12A,C	*E MODEL OF THE SP*			*		*OT SUPERSONIC *		*
CR-128,794	*ACE SHUTTLE	*		*		*WIND TUNNEL (U*		*
	VEHICLE 2A TO DET			*		*NITARY) *		*
	ERMINE AERODYNAMI			*				*
	*C LOADS	*		*				*
	*	*		*				*

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *RESULTS OF TESTS	*17-OTS	*TO OBTAIN AERODYN*	*PRESSURE	* 0.030 /	*ARC /	*GILLENS, SPANGLER	*DMS-DR-2032
11TWT	- *0A12 AND IA9 IN T*		*AMIC LOADS ON LAU*		* 0.6 -	*ARC -	*RI	*VOLUME 09
707	/ *HE AMES RESEARCH *		*NCH VEHICLE	*	*1.4	*11-FOOT TRANSO*	*H. C. ZIMMERLE	*JAN., 1974
87SWT	- *CENTER UNITARY *			*	*	*NIC WIND TUNNE*	*DMS	*
707	/ *PLAN WIND TUNNELS*			*	*	*L (UNITARY)	*	*
IA9A,B,C	*ON AN 0.030-SCAL *			*	*	*8-FOOT BY 7-FO*	*	*
OA12A,C	*E MODEL OF THE SP*			*	*	*OT SUPERSONIC *	*	*
CR-128,794	*ACE SHUTTLE *			*	*	*WIND TUNNEL (U*	*	*
	VEHICLE 2A TO DET			*	*	*NITARY)	*	*
	ERMINE AERODYNAMI			*	*		*	*
	*C LOADS *			*	*		*	*
	* *			*	*		*	*
ARC	- *RESULTS OF TESTS	*17-OTS	*TO OBTAIN AERODYN*	*PRESSURE	* 0.030 /	*ARC /	*GILLENS, SPANGLER	*DMS-DR-2032
11TWT	- *0A12 AND IA9 IN T*		*AMIC LOADS ON LAU*		* 0.6 -	*ARC -	*RI	*VOLUME 10
707	/ *HE AMES RESEARCH *		*NCH VEHICLE	*	*1.4	*11-FOOT TRANSO*	*H. C. ZIMMERLE	*JAN., 1974
87SWT	- *CENTER UNITARY *			*	*	*NIC WIND TUNNE*	*DMS	*
707	/ *PLAN WIND TUNNELS*			*	*	*L (UNITARY)	*	*
IA9A,B,C	*ON AN 0.030-SCAL *			*	*	*8-FOOT BY 7-FO*	*	*
OA12A,C	*E MODEL OF THE SP*			*	*	*OT SUPERSONIC *	*	*
CR-128,794	*ACE SHUTTLE *			*	*	*WIND TUNNEL (U*	*	*
	VEHICLE 2A TO DET			*	*	*NITARY)	*	*
	ERMINE AERODYNAMI			*	*		*	*
	*C LOADS *			*	*		*	*
	* *			*	*		*	*
ARC	- *RESULTS OF TESTS	*17-OTS	*TO OBTAIN AERODYN*	*PRESSURE	* 0.030 /	*ARC /	*GILLENS, SPANGLER	*DMS-DR-2032
11TWT	- *0A12 AND IA9 IN T*		*AMIC LOADS ON LAU*		* 0.6 -	*ARC -	*RI	*VOLUME 11
707	/ *HE AMES RESEAFCH *		*NCH VEHICLE	*	*1.4	*11-FOOT TRANSO*	*H. C. ZIMMERLE	*JAN., 1974
87SWT	- *CENTER UNITARY *			*	*	*NIC WIND TUNNE*	*DMS	*
707	/ *PLAN WIND TUNNELS*			*	*	*L (UNITARY)	*	*
IA9A,B,C	*ON AN 0.030-SCAL *			*	*	*8-FOOT BY 7-FO*	*	*
OA12A,C	*E MODEL OF THE SP*			*	*	*OT SUPERSONIC *	*	*
CR-128,794	*ACE SHUTTLE *			*	*	*WIND TUNNEL (U*	*	*
	VEHICLE 2A TO DET			*	*	*NITARY)	*	*
	ERMINE AERODYNAMI			*	*		*	*
	*C LOADS *			*	*		*	*
	* *			*	*		*	*

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *RESULTS OF TESTS	*17-OTS	*TO OBTAIN AERODYN	*PRESSURE	* 0.030 /	*ARC /	*GILLENS, SPANGLER	*DMS-DR-2032
11TWT	- *OA12 AND IA9 IN T		*AMIC LOADS ON LAU		* 0.6 -	*ARC -	*/RI	*VOLUME 12
707	/*HE AMES RESEARCH *		*NCH VEHICLE	*	*1.4	*11-FOOT TRANSO*	*H. C. ZIMMERLE	*JAN., 1974
87SWT	- *CENTER UNITARY *		*	*	*	*NIC WIND TUNNE*	*-DMS	*
707	/*PLAN WIND TUNNELS*		*	*	*	*L (UNITARY) *		*
IA9A,B,C	*ON AN 0.030-SCAL *		*	*	*	*8-FOOT BY 7-FO*		*
OA12A,C	*E MODEL OF THE SP*		*	*	*	*OT SUPERSONIC *		*
CR-128,794	*ACE SHUTTLE *		*	*	*	*WIND TUNNEL (U*		*
	VEHICLE 2A TO DET		*	*	*	*NITARY) *		*
	ERMINE AERODYNAMI		*	*	*	*		*
	*C LOADS *		*	*	*	*		*
	* *		*	*	*	*		*
ARC	- *RESULTS OF TESTS	*17-OTS	*TO OBTAIN AERODYN	*PRESSURE	* 0.030 /	*ARC /	*GILLENS, SPANGLER	*DMS-DR-2032
11TWT	- *OA12 AND IA9 IN T		*AMIC LOADS ON LAU		* 0.6 -	*ARC -	*/RI	*VOLUME 13
707	/*HE AMES RESEARCH *		*NCH VEHICLE	*	*1.4	*11-FOOT TRANSO*	*H. C. ZIMMERLE	*MARCH, 1974
87SWT	- *CENTER UNITARY *		*	*	*	*NIC WIND TUNNE*	*-DMS	*
707	/*PLAN WIND TUNNELS*		*	*	*	*L (UNITARY) *		*
IA9A,B,C	*ON AN 0.030-SCAL *		*	*	*	*8-FOOT BY 7-FO*		*
OA12A,C	*E MODEL OF THE SP*		*	*	*	*OT SUPERSONIC *		*
CR-128,794	*ACE SHUTTLE *		*	*	*	*WIND TUNNEL (U*		*
	VEHICLE 2A TO DET		*	*	*	*NITARY) *		*
	ERMINE AERODYNAMI		*	*	*	*		*
	*C LOADS *		*	*	*	*		*
	* *		*	*	*	*		*
ARC	- *RESULTS OF TESTS	*17-OTS	*TO OBTAIN AERODYN	*PRESSURE	* 0.030 /	*ARC /	*GILLENS, SPANGLER	*DMS-DR-2032
11TWT	- *OA12 AND IA9 IN T		*AMIC LOADS ON LAU		* 0.6 -	*ARC -	*/RI	*VOLUME 14
707	/*HE AMES RESEARCH *		*NCH VEHICLE	*	*1.4	*11-FOOT TRANSO*	*H. C. ZIMMERLE	*MARCH, 1974
87SWT	- *CENTER UNITARY *		*	*	*	*NIC WIND TUNNE*	*-DMS	*
707	/*PLAN WIND TUNNELS*		*	*	*	*L (UNITARY) *		*
IA9A,B,C	*ON AN 0.030-SCAL *		*	*	*	*8-FOOT BY 7-FO*		*
OA12A,C	*E MODEL OF THE SP*		*	*	*	*OT SUPERSONIC *		*
CR-128,794	*ACE SHUTTLE *		*	*	*	*WIND TUNNEL (U*		*
	VEHICLE 2A TO DET		*	*	*	*NITARY) *		*
	ERMINE AERODYNAMI		*	*	*	*		*
	*C LOADS *		*	*	*	*		*
	* *		*	*	*	*		*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS	
ARC	- *RESULTS OF TESTS	*17-OTS	*TO OBTAIN AERODYN	*PRESSURE	* 0.030	/	*ARC	/	*GILLEN, SPANGLER	*DMS-DR-2032
11TWT	- *OA12 AND IA9 IN T	*	*AMIC LOADS ON LAU	*	* 0.6	-	*ARC	-	*/RI	*VOLUME 15
707	/*HE AMES RESEARCH	*	*NCH VEHICLE	*	* 1.4		*11-FOOT TRANSO	*H. C. ZIMMERLE		*MARCH, 1974
87SWT	- *CENTER UNITARY	*	*	*	*		*NIC WIND TUNNE	*-DMS	*	
707	/*PLAN WIND TUNNELS	*	*	*	*		*L (UNITARY)	*	*	
IA9A,B,C	*ON AN O.030-SCAL	*	*	*	*		*8-FOOT BY 7-FO	*	*	
OA12A,C	*E MODEL OF THE SP	*	*	*	*		*OT SUPERSONIC	*	*	
CR-128,794	*ACE SHUTTLE	*	*	*	*		*WIND TUNNEL (U	*	*	
	*VEHICLE 2A TO DET	*	*	*	*		*NITARY)	*	*	
	*ERMINE AERODYNAMI	*	*	*	*		*	*	*	
	*C LOADS	*	*	*	*		*	*	*	
	*	*	*	*	*		*	*	*	
ARC	- *RESULTS OF TESTS	*17-OTS	*TO OBTAIN AERODYN	*PRESSURE	* 0.030	/	*ARC	/	*GILLEN, SPANGLER	*DMS-DR-2032
11TWT	- *OA12 AND IA9 IN T	*	*AMIC LOADS ON LAU	*	* 0.6	-	*ARC	-	*/RI	*VOLUME 16
707	/*HE AMES RESEARCH	*	*NCH VEHICLE	*	* 1.4		*11-FOOT TRANSO	*H. C. ZIMMERLE		*APRIL, 1974
87SWT	- *CENTER UNITARY	*	*	*	*		*NIC WIND TUNNE	*-DMS	*	
707	/*PLAN WIND TUNNELS	*	*	*	*		*L (UNITARY)	*	*	
IA9A,B,C	*ON AN O.030-SCAL	*	*	*	*		*8-FOOT BY 7-FO	*	*	
OA12A,C	*E MODEL OF THE SP	*	*	*	*		*OT SUPERSONIC	*	*	
CR-128,794	*ACE SHUTTLE	*	*	*	*		*WIND TUNNEL (U	*	*	
	*VEHICLE 2A TO DET	*	*	*	*		*NITARY)	*	*	
	*ERMINE AERODYNAMI	*	*	*	*		*	*	*	
	*C LOADS	*	*	*	*		*	*	*	
	*	*	*	*	*		*	*	*	
ARC	- *RESULTS OF TESTS	*17-OTS	*TO OBTAIN AERODYN	*PRESSURE	* 0.030	/	*ARC	/	*GILLEN, SPANGLER	*DMS-DR-2032
11TWT	- *OA12 AND IA9 IN T	*	*AMIC LOADS ON LAU	*	* 0.6	-	*ARC	-	*/RI	*VOLUME 17
707	/*HE AMES RESEARCH	*	*NCH VEHICLE	*	* 1.4		*11-FOOT TRANSO	*H. C. ZIMMERLE		*APRIL, 1974
87SWT	- *CENTER UNITARY	*	*	*	*		*NIC WIND TUNNE	*-DMS	*	
707	/*PLAN WIND TUNNELS	*	*	*	*		*L (UNITARY)	*	*	
IA9A,B,C	*ON AN O.030-SCAL	*	*	*	*		*8-FOOT BY 7-FO	*	*	
OA12A,C	*E MODEL OF THE SP	*	*	*	*		*OT SUPERSONIC	*	*	
CR-128,794	*ACE SHUTTLE	*	*	*	*		*WIND TUNNEL (U	*	*	
	*VEHICLE 2A TO DET	*	*	*	*		*NITARY)	*	*	
	*ERMINE AERODYNAMI	*	*	*	*		*	*	*	
	*C LOADS	*	*	*	*		*	*	*	
	*	*	*	*	*		*	*	*	

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT 707 87SWT 707 IA9A,B,C OA12A,C CR-128,794	- *RESULTS OF TESTS * - *OA12 AND IA9 IN T* /*HE AMES RESEARCH * - *CENTER UNITARY * /*PLAN WIND TUNNELS* *ON AN O.030-SCAL * *E MODEL OF THE SP* *ACE SHUTTLE * *VEHICLE 2A TO DET* *ERMINE AERODYNAMI* *C LOADS * *	*17-QTS *LO-100 ORBITER	*TO OBTAIN AERODYN* *AMIC LOADS ON LAU* *NCH VEHICLE * * * * * * * * * * * * *	*PRESSURE * * * * * * * * * * * * * *	* 0.030 / * 0.6 - * 1.4 * * * * * * * * * * * * *	*ARC / *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY) * *8-FOOT BY 7-FO* *OT SUPERSONIC * *WIND TUNNEL (U* *NITARY) * * * * * * *	*GILLEN, SPANGLER* */RI *H. C. ZIMMERLE * *-DMS * * * * * * * * * * * * *	*DMS-DR-2032 *VOLUME 18 *MAY, 1974 * * * * * * * * * * * * * *
LARC UPWT 995 1014 LA4 CR-128,772	- *SUPERSONIC STABIL* - *ITY AND CONTROL C* /*HARACTERISTICS OF* /*A LANGLEY CONCEP * *T SPACE SHUTTLE O* *RBITER AT MACH 1.* *5 TO 4.63 * *	*LO-100 ORBITER	*SUPERSONIC STABIL* *ITY CHARACTERISTI* *CS * * * * * * *	*FORCE * * * * * * * *	* 0.01 / * 1.5 - * 4.63 * * * * * * *	*LARC / *LARC - *UNITARY PLAN W* *IND TUNNEL * *-DMS * * * * * * *	*D.R.STONE/LARC.B.* *SPENCER/NR *W.R. SINGELLTON * * * * * * * *	*DMS-DR-2033 *JULY, 1973 * * * * * * * *
LARC 22HT 405 LA22 CR-128,764	- *AERODYNAMIC AND F* - *LOW VISUALIZATION* /*STUDIES ON A SPA * *CE SHUTTLE CONCEP* *T WITH A DOUBLE D* *ELTA WING ORBITER* *AT A MACH NUMBER * *OF 20.3 * *	*DOUBLE DELTA WING* *ORBITER	*LONGITUDINAL AND * *LATERAL-DIRECTION* *AL CHARACTERISTIC* *S, AND CONTROL EF* *EFFECTIVENESS AS WE* *LL AS FLOW VISUAL* *IZATION STUDIES * * * *	*FORCE * * * * * * * *	* 0.004 / * 20.3 - * * * * * * *	*LARC / *LARC - *22-INCH HELIUM* *TUNNEL * *-DMS * * * * * * *	*W.C. WOODS, DAVID* *R. STONE, JAMES * *P. ARRINGTON /LAR* *C *J. E. VAUGHN * *S. W. BROWN * *-DMS * * * *	*DMS-DR-2034 *JULY, 1973 * * * * * * * *
ARC 3.5HWT 158 OH2A OH2B CR-134,077	- *THERMAL PROTECTIO* - *N SYSTEM GAP HEAT* /*ING RATES OF THE * *ROCKWELL INTERNAT* *IONAL FLAT PLATE * *HEAT TRANSFER MOD* *EL * *	*THERMAL PROTECTIO* *N SYSTEM	*TO OBTAIN AERODYN* *AMIC HEATING RATE* *DATA IN AND AROU * *ND GAPS AT THE * *TPS * * * *	*HEAT-TRANS* * * * * * * *	* 1.0 / * 5.1 - * 5.1 * * * * * *	*ARC / *ARC - *3.5-FOOT HYPER* *SONIC WIND TUN* *NEL * *-DMS * * * *	*T. F. FOSTER, W.* *J. GRIFALL/RI *W. K. LOCKMAN/ARC* *D. A. SARVER * *M. M. MOSER JR. * *-DMS * * * *	*DMS-DR-2035 *APRIL, 1974 * * * * * * * *

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 22HT 413 LA5 CR-128,775	- *AERODYNAMIC AND FLOW VISUALIZATION STUDIES ASSOCIATED WITH VARIATIONS IN THE GEOMETRY OF THE FORWARD PORTION OF IRREGULAR PLANFORM WINGS AT A MACH NUMBER OF 20.3	*LARC LO-100 ORBITER	*DEFINE THE EFFECTS OF WING-FILLET AND WING LEADING-EDGE SWEEP ANGLES AT HYPERSONIC SPEEDS	*FORCE	*.0040 / *20.3	*LARC / *22-INCH HELIUM TUNNEL	*DAVID R. STONE / *ASA LARC *D. E. POUCHER *DMS	*N*DMS-DR-2036 *AUGUST, 1973
LTV HSWT 488 OA84 CR-134,405	- *RESULTS OF INVESTIGATIONS ON A 0.015-SCALE 140A/B ORBITER WITHOUT VERTICAL TAIL (49-0) IN THE LIFT AND WING TV 4 BY 4-FOOT HIGH SPEED WIND TUNNEL	*140A/B ORBITER	*TO DETERMINE LONGITUDINAL AND LATERAL-DIRECTIONAL STABILITY AND CONTROL CHARACTERISTICS FOR THE UP-DATED SSV CONFIGURATION	*FORCE	*0.015 / *0.6 - *4.6	*R.I. / *LTV *HIGH SPEED WIND TUNNEL	*V. ESPARZA / *WELL INTERNATIONAL *W.R. EMBURY / *D. A. SARVER *V. W. SPARKS *DMS	*ROCK *DMS-DR-2037 *SEPT., 1974
NRLAD LSWT 701 OA16 CR-128,793	- *RESULTS OF LOW SPEED WIND TUNNEL TESTS ON A .0405 SCALE MODEL ROCKWELL SPACE SHUTTLE ORBITER TESTED BOTH IN FREE AIR AND IN THE PRESENCE OF A GROUND PLANE	*NR ORBITER	*INVESTIGATE AERODYNAMIC AND PROPULSION EFFECTS OF VARIOUS AIR BREATHING ENGINE SYSTEMS IN FORCED AIR AND IN THE PRESENCE OF THE GROUND PLANE	*FORCE	*0.0405 / *0.12 - *0.20	*NR / *NRLAD *LOW SPEED WIND TUNNEL	*R. MENNELL, B. CAMERON / *J. E. VAUGHN *J. R. ZILER *DMS	*CA *DMS-DR-2038 *FEB., 1974

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC 14TWT 571 IA6A CR-134,071	*RESULTS OF WIND TUNNEL TESTS AT MACH 5 ON THE SCALE MODEL 2A COEFFICIENTS OF DRAG, LIFT, AND MOMENTS EXPERIENCED BY SHUTTLE TO DETERMINE PROXIMITY EFFECTS AND ORBITER CONTROL EFFECTIVENESS DURING ORBITER/EXTERNAL TANK ABORT SEPARATION	*MODEL 2A ORBITER AND EXTERNAL TANK	*DETERMINE PROXIMITY EFFECTS ON THE AERODYNAMIC FORCES AND MOMENTS EXPERIENCED BY VEHICLE 2A CONFIGURATION SHUTTLE ORBITER AND EXTERNAL TANK DURING AND ABORT SEPARATION	*FORCE	*.004 / *5.0 - *5.0	MSFC / MSFC 14-INCH TRISONIC WIND TUNNEL	*W. P. GARTON / *K. W. ELL *J. E. VAUGHN *A. T. KAVANAUGH	*ROC *DMS-DR-2039 *MARCH, 1974
LARC 8TPT 643 LA6 CR-128,773	*SURFACE ROUGHNESS EFFECTS ON THE TRANSONIC AERODYNAMICS OF THE ROCKWELL INTERNATIONAL O89B-139 ORBITER	*NAR O89-B-139 ORBITER	*SURFACE ROUGHNESS EFFECTS ON TRANSONIC AERODYNAMICS	*FORCE	*0.0188 / *.35 - *1.2	LARC / LARC 8-FOOT TRANSONIC PRESSURE TUNNEL	*G. M. WARE, B. SPEAR / *N. C. ELL / *V. W. SPARKS *B. W. MYERS	*DMS-DR-2040 *AUGUST, 1973
LARC 8TPT 644 LA7A CR-128,781	*TRANSONIC AERODYNAMIC CHARACTERISTICS ASSOCIATED WITH VARIATIONS IN THE GEOMETRY OF THE FORWARD PORTION OF IRREGULAR PLANFORM WINGS	*LARC LO-100 ORBITER (SHIPS)	*TRANSONIC AERODYNAMIC CHARACTERISTICS ASSOCIATED WITH VARIATIONS IN THE GEOMETRY OF THE FORWARD PORTION OF IRREGULAR PLANFORM WINGS	*FORCE	*0.010 / *.035 - *1.2	LARC / LARC 8-FOOT TRANSONIC PRESSURE TUNNEL	*BERNARD SPENCER, JR. / *R. / *D. E. POUCHER	*DMS-DR-2041 *OCT., 1973
MSFC 14TWT 584 IA52 CR-134,087	*RESULTS OF FLOW VISUALIZATION STUDIES IN THE NASA/MSC 14 X 14 INCH TRANSONIC WIND TUNNEL ON A SCALE MODEL (34-O) SPACE SHUTTLE ORBITER AND INTEGRATED VEHICLE	*ORBITER ALONE *MFSC MODEL NO 453 *N STUDIES	*FLOW VISUALIZATION STUDIES	*FORCE	*0.004 / *.09 - *5.0	MSFC / MSFC 14-INCH TRISONIC WIND TUNNEL	*W. P. GARTON / *J. E. VAUGHN	*DMS-DR-2042 *MARCH, 1974

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 8VDHT 624 LA16 CR-128,770	*HEAT TRANSFER DAT*RSI TILES,ORBITER *A TO CAVITIES BET* /*WEEN SIMULATED RS* *I TILES AT MACH 8*		*HEAT TRANSFER DAT*HEAT-TRANS *A FOR RSI TILES		*1.00 / *8.0 -	*LARC / *LARC *MACH 8 VARIABLE* *E-DENSITY HYPE*-DMS *RSONIC TUNNEL *	*C. B. JOHNSON /LA* *RC *W. M. HALE *DMS	*DMS-DR-2043 *JUNE, 1973
ARC 3.5HWT 157 OA11A CR-128,786	*RESULTS OF INVEST*SHUTTLE ORBITER 2 *IGATIONS ON A O.O*A /*15-SCALE MODEL 2A* *CONFIGURATION OF * *THE ROCKWELL INT * *ERNATIONAL SPACE * *SHUTTLE ORBITER I* *N THE NASA/AMES R* *ESEARCH CENTER 3.* *5 FOOT HYPERSONIC* *WIND TUNNEL		*DETERMINE LONGITU*FORCE *DINAL AND LATERAL* *-DIRECTIONAL STAB* *ILITY *ESTABLISH TRIM CA* *PABILITY		*.015 / *5.27 - *7.32	*ARC / *ARC *- *OCKWELL *3.5-FOOT HYPER*JACK A. MELLENTHI* *SONIC WIND TUN*N/NASA AMES *NEL *B. J. FRICKEN *-DMS	*MORRIS D. MILAM/R* *OCT., 1973	*DMS-DR-2044
NRLAD LSWT 704 OA18 CR-128,779	*RESULTS OF INVEST*ROCKWELL SSV ORBI *IGATIONS (OA18) O*TER /*F A 0.0405 SCALE * *MODEL OF THE 2A A* *ND 3 SPACE SHUTTL* *E ORBITER CONFIGU* *RATIONS IN THE NO* *RTH AMERICAN AERO* *NAUTICAL LABORATO* *RY LOW SPEED WIND* *TUNNEL AT M = 0. * *26 AND 0.16		*OBTAIN SIX COMPON*FORCE *ENT FORCE DATA AN* *D ELEVON HINGE MO* *MENT DATA		*0.0405 / *0.16 - *0.26	*NR / *NR *- *D. G. WALSTAD /NR *D. E. POUCHER *LOW SPEED WIND*-DMS *TUNNEL	*D. G. WALSTAD /NR *D. E. POUCHER *DMS	*DMS-DR-2045 *SEPT., 1973
LARC 8TPT 648 LA17 CR-128,776	*AERODYNAMIC STABI*LARC LO-100 ORBIT *LITY AND CONTROL *ER /*CHARACTERISTICS O* *F A LANGLEY CONCE* *PT SPACE SHUTTLE * *ORBITER (LO-100) * *AT MACH NUMBERS O* *F 0.35 TO 1.2		*TRANSONIC AERODYN*FORCE *AMIC PERFORMANCE,* *STABILITY AND CON* *TROL AND CONTROL * *EFFECTIVENESS		*0.01 / *0.35 - *1.2	*LARC / *LARC *- *R. /NASA LARC *8-FOOT TRANSON*D. E. POUCHER *IC PRESSURE TU*-DMS *NNEL	*BERNARD SPENCER, J* *AUGUST, 1973	*DMS-DR-2046

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL SCALE*	TESTING AGENCY	*COGNIZANT TEST DMS PERSONNEL	*BASIC PUBLICATIONS OR COMMENTS
LARC CFHT 98	- *EFFECT OF WALL TO *O40A SPACE SHUTTL	ID		*HEAT-TRANS	.006 /	*LARC /	*J. C. DUNAVANT/LA	*DMS-DR-2047
LA31 CR-134,086	- *TOTAL TEMPERATUR *E CONFIGURATION	*		*10 -		*LARC -	*RC	*FEB., 1974
	/ *E RATIO VARIATION*	*		*10		*CONTINUOUS-FLO*		*
	*ON HEAT TRANSFER *	*		*		*W HYPERSONIC T*		*
		*		*		*UNNEL		*
ARC 97SWT 710	- *WIND TUNNEL TEST *2A CONFIGURATION	*TO OBTAIN FORCE A	*FORCE	*0.019 /		*ARC /	*R. B. HARDIN, R.	*DMS-DR-2048
IA12B CR-134,104	- *OF THE 0.019 (2A *	*ND MOMENT DATA, W	*PRESSURE	*1.55 -		*ARC -	*R. BURROWS /ROCKW	*JULY, 1974
	/(*CONFIGURATION) JE*	*ING PRESS. DIST.,*		*2.0		*9-FOOT BY 7-FO*	*ELL	*
	T PLUME SPACE SHU	*ELEVON AND RUDDER*		*		*OT SUPERSONIC *	*L. R. GUIST /ARC	*
	TTLE INTEGRATED V	*BENDING MOMENTS *		*		*WIND TUNNEL (U*	*B. J. FRICKEN	*
	EHICLE IN THE ARC	*AND DETERMINE EFF*		*		*NITARY)	*-DMS	*
	*9- BY 7-FOOT UNI *	*ECT OF SRM AND MP*		*		*		*
	*TARY WIND TUNNEL *	*S PLUMES, SRM AND*		*		*		*
	*	*ORB. NOZZLE GIMB *		*		*		*
	*	*AL ANGLES, AND SR*		*		*		*
	*	*M SHROUDS OFF *		*		*		*
	*	*		*		*		*
LARC 8VDHT 3619/3670/OH40	- *AERODYNAMIC HEATI*N	R 2A ORBITER	*DETERMINATION OF	*FORCE	*.006 /	*LARC /	*H. GOROWITZ/ROCKW	*DMS-DR-2049
CR-128,771	- *NG OF A SPACE SHU*		*HEATING EFFECTS F*	*8.0		*LARC -	*ELL	*JULY, 1973
	TTLE DOUBLE DE-TA		*OR LAMINAR THROUG*	*		*MACH 8 VARIABLE*	*R. WHITE/GAC	*
	*WING ORBITER *		*H TURBULENT FLIGH*	*		*E-DENSITY HYPE*	*A. T. KAVANAUGH	*
	AT MACH NUMBER 8.		*T REGIMES DURING *	*		*RSONIC TUNNEL *-DMS		*
	*O		*REENTRY.	*		*		*
	*		*	*		*		*
ARC 66SWT 706	- *WIND TUNNEL TEST *ROCKWELL SSV 2A O	*LONGITUDINAL AND	*FORCE	*0.015 /		*ARC /	*M. D. MILAM, T. J	*DMS-DR-2050
OA43 CR-128,790	- *OF THE 0.15-SCALE*RBITER	*LATERAL-DIRECTION*		*0.6 -		*ARC -	*. DZIUBALA /RI -	*NOV., 1973
	/ *ROCKWELL INTERNA*	*AL CHARACTERISTIC*		*2.0		*6-FOOT BY 6-FO*	*K. C. ENDICOTT /A*	
	TIONAL SPACE SHUT	*S, RUDDER AND ELE*		*		*OT SUPERSONIC	*RC - T. MCGRATH /	*
	TTLE VEHICLE ORBIT	*VON HINGE MOMENTS*		*		*WIND TUNNEL	*ARO	*
	*ER IN THE AMES 6--	*		*		*	*M. J. LANFRANCO	*
	*BY 6-FOOT SUPERS *	*		*		*	*S. W. BROWN	*
	*ONIC WIND TUNNEL *	*		*		*	*-DMS	*
	*	*		*		*		*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC 14TWT 572 SA5F CR-128,774	*AERODYNAMIC CHARACTERISTICS OF A 1/42-INCH DIAMETER SOLID ROCKET BOOSTER (CONFIGURATION NS 89B AND 139)	BOOSTER MSFC MODE NO.449	TO OBTAIN FORCE AND MOMENT DATA TO INPUT IN COMPUTER PROGRAM TO DETERMINE THE RATE OF DECELERATION AND THE ATTITUDE OF THE SRB'S DURING FREE-FALL	FORCE	*0.00563 / *0.6 - *3.48	MSFC / 14-INCH TRISONIC WIND TUNNEL	*J. D. JOHNSON/MSFC *C *W. D. RADFORD/NSI *V. W. SPARKS *D. E. POUCHER *-DMS	*DMS-DR-2051 *AUGUST, 1973
LARC UPWT 1015 LA10 CR-128,791	*SUPERSONIC AERODYNAMIC CHARACTERISTICS ASSOCIATED WITH VARIATIONS IN THE GEOMETRY OF THE FORWARD PORTION OF IRREGULAR PLANFORM WINGS	LO-100 ORB(SHIPS) (BW2VFB)	EFFECTS OF GEOMETRY ON SUPERSONIC AERODYNAMIC CHARACTERISTICS ON PLANFORM WINGS	FORCE	*0.01875 / *2.36- *4.63	LARC / UNITARY PLAN WIND TUNNEL	*D. R. STONE, B. S. PENCER/LARC *V. W. SPARKS *B. W. MYERS *-DMS	*DMS-DR-2052 *NOV., 1973
NRLAD LSWT 705 OA21B CR-128,792	*EXPERIMENTAL INVESTIGATIONS OF AN ORBITER TO DETERMINE SUBSONIC STABILITY CHARACTERISTICS (OA21)	ORBITER 3	INVESTIGATE THE LONGITUDINAL AND LATERAL-DIRECTIONAL SUBSONIC AERODYNAMIC CHARACTERISTICS OF THE ROCKWELL INTERNATIONAL PROPOSED PRR SPACE SHUTTLE ORBITER	FORCE	*0.0405 /	NR / LOW SPEED WIND TUNNEL	*B. W. CAMERON AND *A. J. RITSCHER / *D. A. SARVER *B. W. MYERS *-DMS	*DMS-DR-2053 *VOLUME 01 *DEC., 1973
NRLAD LSWT 705 OA21B CR-128,792	*EXPERIMENTAL INVESTIGATIONS OF AN ORBITER TO DETERMINE SUBSONIC STABILITY CHARACTERISTICS (OA21)	ORBITER 3	INVESTIGATE THE LONGITUDINAL AND LATERAL-DIRECTIONAL SUBSONIC AERODYNAMIC CHARACTERISTICS OF THE ROCKWELL INTERNATIONAL PROPOSED PRR SPACE SHUTTLE ORBITER	FORCE	*0.0405 /	NR / LOW SPEED WIND TUNNEL	*B. W. CAMERON AND *A. J. RITSCHER / *D. A. SARVER *B. W. MYERS *-DMS	*DMS-DR-2053 *VOLUME 02 *FEB., 1974

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC UPWT 1023/1034	*SURFACE ROUGHNESS*NR ORBITER *EFFECTSON THE SU *PERSONIC AERODYNA*		*TO DETERMINE THE *EFFECTS OF SURFAC*E ROUGHNESS ON TH*	*FORCE	*0.188 / *1.6 - *4.63	*LARC / *LARC - *UNITARY PLAN W*	*G.M. WARE , BERNA *RD SPENCER JR. /L*NOV., 1973	*DMS-DR-2054
LA8A	*MICS OF THE ROCKW*		*E ORBITER AERODYN*		*	*IND TUNNEL	*J. E. VAUGHN	*
LA8B	*WELL INTERNATIONAL*		*AMIC CHARACTERIST*		*		*B. W. MYERS	*
CR-128,796	*L 089B-139 ORBITE*		*ICS OVER COMPLETE*		*		*-DMS	*
	*R		*MACH RANGE		*			*
	*		*		*			*
MSFC 14TWT 574	*STATIC STABILITY *ORBITER 139 *AND CONTROL EFFEC*ORBITER 139B /TIVENESS OF MODEL*		*TO DETERMINE THE *STATIC STABILITY *AND CONTROL EFFEC*	*FORCE	*0.004 / *.6 - *4.96	*MSFC / *MSFC - *14-INCH TRISON*	*E.C. ALLEN/ROCKWE *LL *TERRY TUTTLE/ROCK*	*DMS-DR-2055 *VOLUME O1 *SEPT., 1973
QA48	*S 12-0 AND 34-0 *		*TIVENESS OF MODEL*		*	*IC WIND TUNNEL*	*WELL	*
CR-128,780	*OF THE VEHICLE 3 *		*12-0 AND 34-0 *		*		*V. W. SPARKS	*
	*CONFIGURATIONS		*		*		*B. J. FRICKEN	*
	*		*		*		*-DMS	*
	*		*		*			*
MSFC 14TWT 574	*STATIC STABILITY *ORBITER 139 *AND CONTROL EFFEC*ORBITER 139B /TIVENESS OF MODEL*		*TO DETERMINE THE *STATIC STABILITY *AND CONTROL EFFEC*	*FORCE	*0.004 / *.6 - *4.96	*MSFC / *MSFC - *14-INCH TRISON*	*E.C. ALLEN/ROCKWE *LL *TERRY TUTTLE/ROCK*	*DMS-DR-2055 *VOLUME O2 *SEPT., 1973
QA48	*S 12-0 AND 34-0 *		*TIVENESS OF MODEL*		*	*IC WIND TUNNEL*	*WELL	*
CR-128,780	*OF THE VEHICLE 3 *		*12-0 AND 34-0 *		*		*V. W. SPARKS	*
	*CONFIGURATIONS		*		*		*B. J. FRICKEN	*
	*		*		*		*-DMS	*
	*		*		*			*
MSFC 14TWT 574	*STATIC STABILITY *ORBITER 139 *AND CONTROL EFFEC*ORBITER 139B /TIVENESS OF MODEL*		*TO DETERMINE THE *STATIC STABILITY *AND CONTROL EFFEC*	*FORCE	*0.004 / *.6 - *4.96	*MSFC / *MSFC - *14-INCH TRISON*	*E.C. ALLEN/ROCKWE *LL *TERRY TUTTLE/ROCK*	*DMS-DR-2055 *VOLUME O3 *NOV., 1973
QA48	*S 12-0 AND 34-0 *		*TIVENESS OF MODEL*		*	*IC WIND TUNNEL*	*WELL	*
CR-128,780	*OF THE VEHICLE 3 *		*12-0 AND 34-0 *		*		*V. W. SPARKS	*
	*CONFIGURATIONS		*		*		*B. J. FRICKEN	*
	*		*		*		*-DMS	*
	*		*		*			*
LARC LTPT 130/135	*SURFACE ROUGHNESS*NR 089B-MOD NOSE *EFFECTS ON THE S ** OMS /UBSONIC AERODYNAM*NR 089B-MOD NOSE		*SURFACE ROUGHNESS*EFFECTS ON TRANS *ONIC AERODYNAMICS*	*FORCE	*0.01875 / *	*LARC / *LARC - *LOW-TURBULENCE*/LARC	*G. M. WARE AND BE *RNARD SPENCER, JR*NOV., 1973	*DMS-DR-2056
LA9	*ICS OF THE		*		*	*PRESSURE TUNN	*M. D. MILAM/ROCKW*	*
CR-128,782	*ROCKWELL INTERNAT*		*		*	*EL	*ELL INTERNATIONAL*	*
	IONAL 089B-139 OR		*		*		*J. E. VAUGHN	*
	*BITER		*		*		*B. W. MYERS	*
	*		*		*		*-DMS	*
	*		*		*			*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC UPWT 1035 0A44 CR-134,411	*RESULTS OF AN EXP*ORBITER, MODIFIED* *ERIMENTAL AERODYN*2A,3 /*AMIC INVESTIGATIO* *N TO OBTAIN STATI* *C STABILITY AND C*	*STAB.AND CONTROL *FORCE *CHARS. OF CONFIG * *2A,3 AND ALT. FOR* *EBODY			* 0.015/ * 2.5- * 4.6	*LARC / *LARC - *UNITARY PLAN W* *IND TUNNEL	*V. ESPARZA,M. MIL* *AM /ROCKWELL *R. SINGELLTON *-DMS	*DMS-DR-2057 *NOV., 1974
LARC LTPT 138 0A17 CR-134,079	*RESULTS OF THE O.*ORBITER NAR VL70- *O15 SCALE SPACE S*OOO134B CONFIG. /*HUTTLE VEHICLE OR* *BITER TEST (0A17)* *IN THE NASA LOW T*	*OBTAIN GENERAL ST*FORCE *ABILITY AND CONTR* *OL CHARACTERISTIC* *S			* 0.015 / *0.25 - *	*LARC / *LARC - *LOW-TURBULENCE* *PRESSURE TUNN *EL *-DMS	*BERNARD SPENCER J* *R. AND JAMES ELLI* *SON /NASA LARC *D. E. POUCHER *-DMS	*DMS-DR-2058 *MARCH, 1974
ARC 3.5HWT 160 0A11B CR-128,798	*INVESTIGATIONS OF*ORBITER 2A *THE SPACE SHUTTL * /*E ORBITER 2A CONF* *IGURATION *O.015-SCALE MODEL* *IN THE NASA AMES * *RESEARCH CENTER * *3.5-FOOT *HYPERSONIC WIND T* *UNNEL AT MACH NUM* *BERS 5, 7 AND 10 * *	*DETERMINE THE FOR*FORCE *CE, MOMENT, AND H* *INGE MOMENT CHARA* *CTERISTICS *OF CONFIGURATION * *2A SPACE SHUTTLE * *VEHICLE ORBITER A* *T MACH *NUMBERS 5, 7, AND* *10 *			*0.015 / *5.0 - *7.0	*ARC / *ARC - *3.5-FOOT HYPER* *SONIC WIND TUN*L *NEL *J. A. MELLENTHIN * *AND J. CLEARY/NAS* *A/AMES RESEARCH C* *ENTER *B. W. MYERS *-DMS	*DMS-DR-2059 *JUNE, 1974	

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 3.5HWT 163 OA58 CR-134,091	- *RESULTS OF AN AERODYNAMIC FORCE AND DYNAMIC FORCE AND D MOMENT INVESTIGATION OF AN O.015-SCALE CONFIGURATION 3 SPACE SHUTTLE ORBITER IN THE NASA/ARC 3.5-FOOT HYPERSONIC WIND TUNNEL (OA58)	*ORBITER 3,A *AND CONTROL CHARACTERISTICS FOR CONFIGURATION 3 *AND ALTERNATE VEHICLES	*GENERAL STABILITY AND CONTROL CHARACTERISTICS	*FORCE	*0.015 / *5.3 - *10.3	*ARC / *ARC *3.5-FOOT HYPERSONIC WIND TUNNEL	*T. J. DZIUBALA/RI *J. W. CLEARY/NASA *B. W. MYERS *-DMS	*DMS-DR-2060 *JUNE, 1974
NRLAD 276 OA68 CR-128,789	- *SUBSONIC, TRANSONIC, AND SUPERSONIC STABILITY AND CONTROL CHARACTERISTICS OF THE -14B SPACE SHUTTLE ORBITER	*VL70-000139B (MOD-1) *EL NO. 42-O) *VL70-000147B (MOD-1) *EL NO. 49-O)	*STABILITY AND CONTROL CHARACTERISTICS	*FORCE	*0.015 / *6 - *3.0	*NR / *NRLAD *7-FOOT TRISONIC WIND TUNNEL	*R. C. MENNELL /RI *D. A. SARVER *-DMS	*DMS-DR-2061 *DEC., 1973
AEDC SWTA VA323 IA13 CR-134,117	- *AERODYNAMIC RESULTS OF A SEPARATION TEST OF THE EFFECTS OF N-INDUCTED IN THE AEDC 40X 40 INCH TUNNEL A FACILITY ON THE ROCKWELL INTERNATIONAL LAUNCH CONFIGURATION 3 INTEGRATED VEHICLE	*INTEGRATED VEHICLE CONFIG 3 (MODEL F SRB FROM ET AND FROM ORB. USING CAPTIVE TRAJECTORY SYSTEM	*SEPARATION TEST OF THE EFFECTS OF N-INDUCTED IN THE TRAJECTORY SYSTEM	*O*	*0.01 / *4.5 -	*ROCKWELL/AEDC *SUPERSONIC WIND TUNNEL (A)	*JACK CAMPBELL/RI *J. E. VAUGHN *M. M. MOSER JR. *-DMS	*DMS-DR-2062 *VOLUME 01 *AUGUST, 1975

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *AERODYNAMIC RESUL*	*INTEGRATED VEHICL*	*SEPARATION TEST O*	*FORCE	*0.01 /	*ROCKWELL/	*JACK CAMPBELL/RI	*DMS-DR-2062
SWTA	- *TS OF A SEPARATIO*	*E CONFIG. 3 (MODE*	*F SRB FROM ET AND*		*4.5 -	*AEDC -	*J. E. VAUGHN	*VOLUME 02
VA323	/*N EFFECTS TEST CO*	*L 32-OTS)	*ET FROM ORB. USI *			*SUPERSONIC WIN*	*M. M. MOSER JR.	*AUGUST, 1975
IA13	*NDUCTED IN THE AE*		*NG CAPTIVE TRAJEC*			*D TUNNEL (A) **	*DMS	
CR-134,118	*DC 40 X 40 INCH T*		*TORY SYSTEM					
	*UNNEL A FACILITY *							
	ON THE ROCKWELL I							
	INTERNATIONAL LAUN							
	*CH CONFIGURATION *							
	3 INTEGRATED VEHI							
	*CLE							
	*							
AEDC	- *AERODYNAMIC RESUL*	*INTEGRATED VEHICL*	*SEPARATION TEST O*	*FORCE	*0.01 /	*ROCKWELL/	*JACK CAMPBELL/RI	*DMS-DR-2062
SWTA	- *TS OF A SEPARATIO*	*E CONFIG. 3 (MODE*	*F SRB FROM ET AND*		*4.5 -	*AEDC -	*J. E. VAUGHN	*VOLUME 03
VA323	/*N EFFECTS TEST CO*	*L 32-OTS)	*ET FROM ORB. USI *			*SUPERSONIC WIN*	*M. M. MOSER JR.	*AUGUST, 1975
IA13	*NDUCTED IN THE AE*		*NG CAPTIVE TRAJEC*			*D TUNNEL (A) **	*DMS	
CR-141,801	*DC 40 X 40 INCH T*							
	*UNNEL A FACILITY *							
	ON THE ROCKWELL I							
	INTERNATIONAL LAUN							
	*CH CONFIGURATION *							
	3 INTEGRATED VEHI							
	*CLE							
	*							
MSFC	- *RESULTS OF TESTS *	*INTEGRATED VEHICL*	*STATIC STABILITY, *	*FORCE	*0.004 /	*MSFC /	*E. C. ALLEN, T. H*	*DMS-DR-2063
14TWT	- *IN THE MSFC 14X14*		*INTERFERENCE EFF *		*0.6 -	*MSFC -	*AMILTON /ROCKWELL*	*NOV., 1973
579/580	/*INCH TRISONIC WI *		*ECTS		*4.96	*14-INCH TRISON*	*J. E. VAUGHN	
IA37	*ND TUNNEL ON A . *					*IC WIND TUNNEL*	*A. T. KAVANAUGH	
IA48	*004 SCALE MODEL O*						*-DMS	
CR-128,788	*F THE ROCKWELL IN*							
	TERNATIONAL SPACE							
	*SHUTTLE VEHICLE *							
	3, (INTEGRATED CO							
	*NFIGURATION)							
	*							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
CALSPAN - 8TWT	*WIND TUNNEL TEST *INTEGRATED SSV 2A	*MPS NOZZLE PRESSU	*PRESSURE	*0.019 /	*CALSPAN /	*R. B. HARDIN, R.	*DMS-DR-2064	
T14-053	*OF THE 0.019 SCAL	*3A MODIFIED	*RE LOADS, WING, E	*FORCE	*0.9 -	*NR	*R. BURROWS /ROCKW	*VOLUME 01
IA36	/*E SPACE SHUTTLE I		*LEVON, AND RUDDER		*1.2	*CALSPAN -	*ELL - N. A. STRUZ	*DEC., 1975
CR-141,814	*INTEGRATED VEHICLE		*HINGE MOMENTS,		*	*8-FOOT TRANSON	*YNSKI /CALSPAN	*
	*(MODEL 14-OTS) IN		*WING PRESSURE DIS		*	*IC WIND TUNNEL	*D. A. SARVER	*
	*THE CALSPAN 8-FO		*TRIBUTIONS, AEROD		*		*H. C. ZIMMERLE	*
	*OT TRANSONIC WIND		*YNAMIC STABILITY		*		*-DMS	*
	*TUNNEL (IA36)		*AND CONTROL		*			*
					*			*
CALSPAN - 8TWT	*WIND TUNNEL TEST *INTEGRATED SSV 2A	*MPS NOZZLE PRESSU	*PRESSURE	*0.019 /	*CALSPAN /	*R. B. HARDIN, R.	*DMS-DR-2064	
T14-053	*OF THE 0.019 SCAL	*3A MODIFIED	*RE LOADS, WING, E	*FORCE	*0.9 -	*NR	*R. BURROWS /ROCKW	*VOLUME 02
IA36	/*E SPACE SHUTTLE I		*LEVON, AND RUDDER		*1.2	*CALSPAN -	*ELL - N. A. STRUZ	*DEC., 1975
CR-141,816	*INTEGRATED VEHICLE		*HINGE MOMENTS,		*	*8-FOOT TRANSON	*YNSKI /CALSPAN	*
	*(MODEL 14-OTS) IN		*WING PRESSURE DIS		*	*IC WIND TUNNEL	*D. A. SARVER	*
	*THE CALSPAN 8-FO		*TRIBUTIONS, AEROD		*		*H. C. ZIMMERLE	*
	*OT TRANSONIC WIND		*YNAMIC STABILITY		*		*-DMS	*
	*TUNNEL (IA36)		*AND CONTROL		*			*
					*			*
ARC - 87SWT	*WIND TUNNEL TESTS*2A CONFIGURATION		*DETERMINE EFFECTS	*FORCE	*0.019 /	*ARC	*R. B. HARDIN, R.	*DMS-DR-2065
710	*OF AN 0.019-SCAL		*OF COLD JET GAS	*PRESSURE	*2.50 -	*ARC	*R. BURROWS /ROCKW	*VOLUME 01
IA12C	/*E SPACE SHUTTLE I		*PLUMES ON LONG. A		*3.50	*8-FOOT BY 7-FO	*ELL INTERNATIONAL	*APRIL, 1975
CR-141,518	*IN THE NASA AMES		*ND LAT-DIR. CHAR.		*	*OT SUPERSONIC	*L. R. GUIST /NASA	*
	*8 X 7-FOOT UNITA		*EXPOSED WING HIN		*	*WIND TUNNEL (U	*AMES	*
	*RY WIND TUNNEL(IA		*GE MOM., WING PRE		*	*NITARY)	*B. J. FRICKEN	*
	*12C)		*SS. DIST., ORBITE		*		*-DMS	*
			*R MPS EXTERNAL PR		*			*
			*ESS. DIST., AND M		*			*
			*ODEL BASE PRESSUR		*			*
			*ES		*			*
					*			*
ARC - 87SWT	*WIND TUNNEL TESTS*2A CONFIGURATION		*DETERMINE EFFECTS	*FORCE	*0.019 /	*ARC	*R.B. HARDIN, R.R.	*DMS-DR-2065
710	*OF AN 0.019-SCAL		*OF COLD JET GAS	*PRESSURE	*2.50 -	*ARC	*BURROWS/RI	*VOLUME 02
IA120	/*E SPACE SHUTTLE I		*PLUMES ON LONG. A		*3.50	*8-FOOT BY 7-FO	*L.R. GUIST/NASA A	*APRIL, 1975
CR-141,519	*INTEGRATED VEHICLE		*ND LAT-DIR. CHAR.		*	*OT SUPERSONIC	*MES	*
	*IN THE NASA AMES		*EXPOSED WING HIN		*	*WIND TUNNEL (U	*B. J. FRICKEN	*
	*8 X 7-FOOT UNITA		*GE MOM., WING PRE		*	*NITARY)	*-DMS	*
	*RY WIND TUNNEL(IA		*SS. DIST.,ORBITE		*			*
	*12C)		*MPS EXTERNAL PRE		*			*
			*SS. DIST.,AND MOD		*			*
			*EL BASE PRESSURES		*			*
					*			*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 87SWT 710 IA12C CR-141,520	*WIND TUNNEL TESTS* *OF AN O.019-SCAL* /*E SPACE SHUTTLE I* *NTEGRATED VEHICLE* *IN THE NASA AMES* *8 X 7-FOOT UNITA* *RY WIND TUNNEL(IA* *12C)	*2A CONFIGURATION	*DETERMINE EFFECTS* *OF COLD JET GAS* *PLUMES ON LONG. A* *ND LAT-DIR. CHAR.* *, EXPOSED WING HIN* *GE MOM., WING PRE* *SS. DIST., ORBITER* *MPS EXTERNAL PRE* *SS. DIST., AND MOD* *EL BASE PRESSURES*	*FORCE* *PRESSURE*	*0.019 / *2.50 - *3.50		*ARC / *ARC - *8-FOOT BY 7-FO* *OT SUPERSONIC* *WIND TUNNEL (U* *NITARY)	*R.B. HARDIN, R.R.* *BURROWS/RI* *L.R. GUIST/NASA AM* *B. J. FRICKEN* *-DMS	*DMS-DR-2065* *VOLUME O3* *APRIL, 1975*
LARC CFHT 96 LA11 CR-128,783	*HYPERSONIC PERFOR* *MANCE, STABILITY* /*AND CONTROL CHARA* *CTERISTICS OF A* *0075 SCALE MODEL* *ROCKWELL INTERNAT* *IONAL O89-139 ORB* *ITER CONFIGURATIO* *N	*SPACE SHUTTLE ORB* *ITER O89B-139	*TO DETERMINE HYPE* *RSONIC AERODYNAMI* *C CHARACTERISTICS* *OF SHUTTLE ORBIT* *ER	*FORCE*	*0.0075 / *10.3 -		*LARC / *LARC - *CONTINUOUS-FLO* *W HYPERSONIC T* *UNNEL	*R.W. POWELL/NASA L* *ARC* *T.A. BLACKSTOCK/NA* *SA LARC* *J. E. VAUGHN* *B. J. FRICKEN* *-DMS	*DMS-DR-2066* *NOV., 1973*
LARC 26TBT 544 OS2 CR-128,777	*FLUTTER TESTS (OS* *2) OF THE SHUTTLE* /*ORBITER FIN/RUDD* *ER MODEL 24-O	*0.025 SCALE MODEL* *OF SPACE SHUTTLE* *ORBITER (24-O) F* *IN/RUDDER	*ACQUISITION OF EX* *PERIMENTAL FLUTTE* *R BOUNDARY DATA I* *N THE TRANSONIC* *FLIGHT REGION TO* *SUPPORT ANALYTICA* *L FLUTTER PREDICT* *IONS	*STRUCT-DYN*	*0.025 / *0.6 - *1.3		*LARC / *LARC - *26-INCH TRANSO* *NIC BLOWDOWN T* *UNNEL	*J. W. FOUST/ROCKW* *ELL* *A. T. KAVANAUGH* *-DMS	*DMS-DR-2067* *AUGUST, 1973*
NRLAD LSWT 708 OA71A CR-128,797	*EFFECTS OF THE AI* *R BREATHING PROPU* /*LSION SYSTEM ON S* *PACE SHUTTLE ORBI* *TER SUBSONIC STAB* *ILITY AND CONTROL* *CHARACTERISTICS* *(OA71A)	*-89B(2A) ORBITER	*EFFECTS OF FERRY* *ENGINE NACELLE GR* *OUPING AND LOCATI* *ON	*FORCE*	*0.0405 / *0.20 -		*NR / *NRLAD - *LOW SPEED WIND* *TUNNEL	*R. MENNELL /ROCKW* *ELL* *D. A. SARVER* *W. M. HALE* *-DMS	*DMS-DR-2068* *DEC., 1973*

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC UPWT 1031 MA7 CR-134,074	- *EFFECTS OF REACTI* - *ON CONTROL SYSTEM* /*JET-FLOW FIELD I * *INTERACTIONS ON * A 0.015 SCALE MOD* *EL SPACE SHUTTLE * *ORBITER AERODYNAM* *IC * *CHARACTERISTICS * * * * * * *	*PRR ORBITER *Y AT SUPERSONIC S* *PEEDS * *TO DETERMINE CONT* *ROL AMPLIFICATION* *FACTORS RESULTIN * *G FROM JET INTER-* *ACTION BETWEEN TH* *E RCS PLUMES AND * *THE EXTERNAL FLOW* *OVER THE VEHICLE *	*INTERFERENCE STUD* *FORCE		*0.015 / *2.5 - *4.0	*LARC / *LARC - *UNITARY PLAN W* *IND TUNNEL	*J.R. RAUSCH/ROCKWE* *LL * *W. J. MONTA/LARC * *J. E. VAUGHN * *A. T. KAVANAUGH * *-DMS * * * * * * * * *	*DMS-DR-2069 *JAN., 1974
LARC LTPT 141 LA23 CR-128,787	- *EFFECT OF GASEOUS* - *AND SOLID SIMUL * /*ATED JET PLUMES O* *N AN O40A SPACE S* *HUTTLE LAUNCH CO* *NFIGURATION AT MA* *CH NUMBERS FROM 1* *.6 TO 2.2 * * * * *	*JSC O40A ORBITER *WITH EHOT AND 2 S* *FLOW SEPARATION A* *ND ASPIRATION EFF* *ECTS DUE TO OPERA* *TION OF BOTH THE * *ORBITER AND THE S* *OLID ROCKET MOTOR* *S *	*DETERMINE EFFECT * *FORCE		*.019 / *1.6 - *2.2	*LARC / *LARC - *LOW-TURBULENCE* *PRESSURE TUNN * *EL * * * *V. W. SPARKS * *A. T. KAVANAUGH * *-DMS * * * * *	*J. B. DODS, JR., J* *J. BROWNSON, D.* *L. KASSNER / ARC * *K. L. BLACKWELL / * *MSFC * * * * * * * * *	*DMS-DR-2070 *OCT., 1973
ARC 3.5HWT 168 OA23 CR-128,799	- *RESULTS OF TESTS * - *OF 0.010- AND 0.0* /*15-SCALE MODELS O* *F SPACE SHUTTLE O* *RBITER CONFIGURAT* *IONS 3 AND 3A IN * *THE AMES RESEARCH* *CENTER 3.5-FOOT * *HYPERSONIC WIND T* *UNNEL (OA23) * * * * *	*MODEL 32-O *MODEL 49-O * * * * * * * * * * * * * * * * * * * *	*OBTAIN STABILITY * *FORCE		*0.015 , *0.010 / *5.3 - *10.3	*ARC / *ARC - *3.5-FOOT HYPER* *SONIC WIND TUN* *NEL * * * * * * * * * * * * * * *	*T. J. DZIUBALA, M* *D. MILAM/ROCKWE* *LL INTERNATIONAL * *J.W. CLEARY, J. A* *MELLENTIN/NASA* *AMES * *B. W. MYERS * *-DMS * * * * *	*DMS-DR-2071 *SEPT., 1974
MSFC 14TWT 573 IA31FC CR-134,072	- *MISALIGNMENT STUD* - *IES ON SPACE SHUT* /*TLE INTEGRATED VE* *HICLE * *MODEL ELEMENTS * *TS *	*PRR BASELINE LAUN* *CH CONFIGURATION * *MCR 0074 BASELINE* * * * * * * * * * *	*EFFECTS OF MODEL * *FORCE		* 0.004 / *0.9 - *1.46	*MSFC / *MSFC - *14-INCH TRISON* *IC WIND TUNNEL* * * * * * * * * * *	*P. RAMSEY /MSFC * *T. MCMEANS, T. DA* *VIS / NSI * *V. W. SPARKS * *A. T. KAVANAUGH * *-DMS * * * * *	*DMS-DR-2072 *JAN., 1974

TEST ID	* REPORT TITLE *	* CONFIGURATIONS TESTED *	* TEST PURPOSE *	* TYPE OF TEST *	* MODEL SCALE * MACH RANGE *	* TESTING AGENCY *	* COGNIZANT TEST DMS PERSONNEL *	* BASIC PUBLICATIONS OR COMMENTS *
LARC UPWT 1043 OA70 CR-134,070	- *EFFECTS OF REACTI ON CONTROL SYSTEM JET SIMULATION O N THE STABILITY AND CONTROL CHARA CTERISTICS OF A O .O15 SCALE SPACE SHUTTLE MODEL TESTED IN THE LAN GLE Y RESEARCH GEN TER UNITARY PLAN WIND TUNNEL	*MODEL 42-O OF THE VL70-000139B SSV ORBITER CONFIGUR ATION 3	*OBTAIN THE DETAIL ED EFFECTS THAT R CS JET FLOW INTER ACTIONS HAVE ON S UPERSONIC STABILI TY AND CONTROL CH ARACTERISTICS OF THE SPACE SHUTTLE VEHICLE	*FORCE	*O.015 /	*LARC / *LARC - *UNITARY PLAN W *IND TUNNEL	*J. J. DAILED, JO HN MARROQUIN J. E. VAUGHN A. T. KAVANAUGH -DMS	*DMS-DR-2073 MARCH, 1974
NRLAD LSWT 709 OA57A CR-134,414	- *EFFECTS OF THE AI R BREATHING ENGIN E PLUMES ON SSV O RBITER SUBSONIC W ING PRESSURE DIST RIBUTIONS	*AI--89B SPACE SHUTTL E ORBITER FERRY C ONFIGURATION	*INVESTIGATE THE O RBITER WING PRESS SURE DISTRIBUTION RESULTING FROM FI VE UNDER-WING ENG INE NACELLE PLUME S	*PRESSURE FORCE	*O.0405 / *O.165-	*NR / *NRLAD - *LOW SPEED WIND *TUNNEL	*BRUCE W. CAMERON, JR. /RI R. B. LOWE -DMS	*DMS-DR-2074 OCT., 1974
LARC 8VDHT 3778/ 3855 OH41 CR-128,784	- *INVESTIGATION OF CONFIGURATION EFF ECTS ON ENTRY HEA TING DISTRIBUTION S AT MACH = 8.O (* OH41)	*MODEL SS-H-00326- SS-H-00326B-5,-6, SS-H-00326B-7	*AERODYNAMIC HEATI NG INVESTIGATIONS S	*HEAT-TRANS	*O.00593 / *7.9 - *7.9	*LARC / *LARC - *MACH 8 VARIABL *E-DENSITY HYPE *RSONIC TUNNEL	*H. GOROWITZ/RI A. T. KAVANAUGH -DMS	*DMS-DR-2075 OCT., 1973
LARC 8VDHT 4060/ 4079 OH41A CR-128,785	- *INVESTIGATION OF CONFIGURATION EFF ECTS ON ENTRY HEA TING DISTRIBUTION S AT MACH NO = 8. O (OH41A)	*SS-H-00326-4 SS-H-00326B-5,-6, SS-H-00326B-7 NR 11OD	*AERODYNAMIC HEATI NG INVESTIGATIONS S	*HEAT-TRANS	*O.00593 , *O.006 / *7.9 - *7.9	*LARC / *LARC - *MACH 8 VARIABL *E-DENSITY HYPE *RSONIC TUNNEL	*H. GOROWITZ/RI R. WHITE, A. D'ER RICO/GRUMMAN A. T. KAVANAUGH -DMS	*DMS-DR-2076 OCT., 1973

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 66SWT 630 IA29 OA63 CR-134,095	- *RESULTS OF TESTS *140A/B ORB., VEH.* - *OA63 AND IA29 ON *4 ET, 2 SRB'S /*AN O.015-SCALE MO* *DEL OF THE SPACE * *SHUTTLE CONFIGURA*L 36-OTS *TION 140 A/B IN T*	*140A/B ORB., VEH.* *4 ET, 2 SRB'S *SHUTTLE ORBITER V* *ENT PRESSURE MODE* *L 36-OTS	*TO DETERMINE LOCA* *L PRESSURE DISTRI* *BUTIONS ON THE OR* *BITER FUSELAGE FO* *R ASCENT FLIGHT T* *O SUPPORT VEHICLE* *VENTING STUDIES	*PRESSURE *DISTRIBUTIONS ON THE OR* *BITER FUSELAGE FO* *R ASCENT FLIGHT T* *O SUPPORT VEHICLE* *VENTING STUDIES	*0.015 / *0.6 - *2.0	*ARC / *ARC - *6-FOOT BY 6-FO* *OT SUPERSONIC * *WIND TUNNEL	*R.H. SPANGLER, D.* *E. THORNTON, ROCK* *WELL INTERNATIONAL* *L.R. GUIST, CARL * *E. SUTTON, ARC * *B. J. FRICKEN * *-DMS	*DMS-DR-2077 *VOLUME 01 *MAY, 1974
ARC 66SWT 630 IA29 CR-134,099	- *RESULTS OF TESTS *140A/B ORB., VEH.* - *OA63 AND IA29 ON *4 ET, 2 SRB'S /*AN O.015-SCALE MO* *DEL OF THE SPACE * *SHUTTLE CONFIGURA*L 36-OTS *TION 140 A/B IN T*	*140A/B ORB., VEH.* *4 ET, 2 SRB'S *SHUTTLE ORBITER V* *ENT PRESSURE MODE* *L 36-OTS	*TO DETERMINE LOCA* *L PRESSURE DISTRI* *BUTIONS ON THE OR* *BITER FUSELAGE FO* *R ASCENT FLIGHT T* *O SUPPORT VEHICLE* *VENTING STUDIES	*PRESSURE *DISTRIBUTIONS ON THE OR* *BITER FUSELAGE FO* *R ASCENT FLIGHT T* *O SUPPORT VEHICLE* *VENTING STUDIES	*0.015 / *0.6 - *2.0	*RC / *ARC - *6-FOOT BY 6-FO* *OT SUPERSONIC * *WIND TUNNEL	*R. H. SPANGLER , * *D. E. THORNTON ,R* *OCKWELL INTERNATI* *ONAL *L. R. GUIST , CAR* *L E. SUTTON, AMES* *B. J. FRICKEN * *-DMS	*DMS-DR-2077 *VOLUME 02 *MAY, 1974
ARC 66SWT 630 OA63 CR-134,100	- *RESULTS OF TESTS *140A/B ORB., VEH.* - *OA63 AND IA29 ON *4 ET, 2 SRB'S /*AN O.015-SCALE MO* *DEL OF THE SPACE * *SHUTTLE CONFIGURA*L 36-OTS *TION 140 A/B IN T*	*140A/B ORB., VEH.* *4 ET, 2 SRB'S *SHUTTLE ORBITER V* *ENT PRESSURE MODE* *L 36-OTS	*TO DETERMINE LOCA* *L PRESSURE DISTRI* *BUTIONS ON THE OR* *BITER FUSELAGE FO* *R ASCENT FLIGHT T* *O SUPPORT VEHICLE* *STUDIES	*PRESSURE *DISTRIBUTIONS ON THE OR* *BITER FUSELAGE FO* *R ASCENT FLIGHT T* *O SUPPORT VEHICLE* *STUDIES	*0.015 / *0.6 - *2.0	*ARC / *ARC - *6-FOOT BY 6-FO* *OT SUPERSONIC * *WIND TUNNEL	*R. H. SPANGLER, D* *E. THORNTON/RI * *L. R. GUIST , CAR* *L E. SUTTON, AMES* *B. J. FRICKEN * *-DMS	*DMS-DR-2077 *VOLUME 03 *MAY, 1974
ARC 3.5HW 169 IA10 CR-128,795	- *WIND TUNNEL TEST *MODEL 32-OT WITH * - *OF THE O.010-SCAL* /*E SPACE SHUTTLE I* *TEGRATED VEHICLE*ES *IN THE NASA-AMES * *3.5-FOOT HYPERSO * *NIC WIND TUNNEL (* *IA10)	*MODEL 32-OT WITH * *ORBITER, ET, SIMU* /*E SPACE SHUTTLE I* *TEGRATED VEHICLE*ES *IN THE NASA-AMES * *3.5-FOOT HYPERSO * *NIC WIND TUNNEL (* *IA10)	*EVALUATE BASIC HY* *PERSONIC STABILIT* *RELATED ENGINE PLUM*Y CHARACTERISTICS *OF FIRST AND * *SECOND STAGE AND * *TO DEFINE ORBITER* *PLUME EFFECTS ON * *AERO CHARACTERIS* *TICS USING SOLID * *PLUMES	*FORCE *PERSONIC STABILITY *RELATED ENGINE PLUMES CHARACTERISTICS *OF FIRST AND SECOND STAGE AND TO DEFINE ORBITER PLUME EFFECTS ON AERO CHARACTERISTICS USING SOLID PLUMES	*0.010 / *ARC - *3.5-FOOT HYPERSONIC WIND TUNNEL	*ARC / *ARC - *3.5-FOOT HYPER* *SONIC WIND TUN* *NEL *J. W. CLEARY, J. * *A. MELLENTIN/ NA* *SA/AMES RESEARCH * *CENTER *B. W. MYERS *-DMS	*DMS-DR-2078 *JAN., 1974	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 20HT6 441 LA15 CR-134,083	*EFFECTS OF SURFACE ROUGHNESS ON THE AERODYNAMIC CHARACTERISTICS OF THE MODIFIED O89 B SHUTTLE ORBITER AT MACH 6 (LA15)	*O89B-139B(MODIFIED)	*EFFECTS OF TPS THERMAL IRREGULARITIES *EXPLORE POSSIBLE *BOUNDARY LAYER SEPARATION Hysteresis *S EFFECT	*FORCE	*0.01 / *6.0 - *6.0	*LARC / *LARC - *20-INCH HYPERSONIC TUNNEL (MACH 6)	*G.C. ASHBY, JR. / *A. LARC *J. E. VAUGHN *DMS	*DMS-DR-2079 *APRIL, 1974
NRLAD LSWT 713 OA57B CR-134,416	*EFFECTS OF AIR BRUSHING ENGINE PLUMES ON SSV ORBITER CONFIGURATION *ER SUBSONIC WING *PRESSURE DISTRIBUTION	*89B SPACE SHUTTLE ORBITER FERRY C-1	*INVESTIGATE ORBITER WING PRESSURE DISTRIBUTIONS RESULTING FROM NACEL PLUMES ABOVE AND BELOW THE WING	*PRESSURE FORCE	*0.0405 / *0.20 -	*NR / *NRLAD - *LOW SPEED WIND TUNNEL	*T. SOARD / *R. B. LOWE *DMS	*DMS-DR-2080 *VOLUME 01 *OCT., 1974
NRLAD LSWT 713 OA57B CR-134,417	*EFFECTS OF AIR BRUSHING ENGINE PLUMES ON SSV ORBITER CONFIGURATION *ER SUBSONIC WING *PRESSURE DISTRIBUTION	*89B SPACE SHUTTLE ORBITER FERRY C-1	*INVESTIGATE ORBITER WING PRESSURE DISTRIBUTIONS RESULTING FROM NACEL PLUMES ABOVE AND BELOW THE WING	*PRESSURE FORCE	*0.0405 / *0.2 -	*NR / *NRLAD - *LOW SPEED WIND TUNNEL	*T. SOARD / *R. B. LOWE *DMS	*DMS-DR-2080 *VOLUME 02 *OCT., 1974
NRLAD LSWT 711 OA69 CR-141,580	*LANDING PRESSURE *LOADS OF THE -140 A/B SPACE SHUTTLE ORBITER *A/B SPACE SHUTTLE *ORBITER DETERMINED IN THE NRLA *D LOW SPEED WIND *TUNNEL (OA69)	*-140 A/B SPACE SHUTTLE ORBITER	*PRESSURE LOADS DATA IN GROUND EFFECT	*PRESSURE FORCE	*0.0405 / *0.2 - *0.2	*NR / *NRLAD - *LOW SPEED WIND TUNNEL	*T. L. SOARD, B. W. CAMERON / *H. C. ZIMMERLE *DMS	*DMS-DR-2081 *VOLUME 01 *JAN., 1976
NRLAD LSWT 711 OA69 CR-141,581	*LANDING PRESSURE *LOADS OF THE -140 A/B SPACE SHUTTLE ORBITER *A/B SPACE SHUTTLE *ORBITER DETERMINED IN THE NRLA *D LOW SPEED WIND *TUNNEL (OA69)	*-140 A/B SPACE SHUTTLE ORBITER	*PRESSURE LOADS DATA IN GROUND EFFECT	*PRESSURE FORCE	*0.0405 / *0.2 - *0.2	*NR / *NRLAD - *LOW SPEED WIND TUNNEL	*T. L. SOARD, B. W. CAMERON / *H. C. ZIMMERLE *DMS	*DMS-DR-2081 *VOLUME 02 *JAN., 1976

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 3.5HWT 167 OA79 CR-128,800	*EFFECTS OF REACTI* *ON CONTROL SYSTEM* /*JET SIMULATION O* *N THE STABILITY* *AND CONTROL CHARA* *CTERISTICS OF A O* *.015-SCALE SPACE* *SHUTTLE ORBITER* *MODEL IN THE AMES* *RESEARCH CENTER* *3.5-FOOT HYPERSON* *IC WIND TUNNEL*	CONFIGURATION 3A ORBITER	*ASCERTAIN THE EFF* *CTS OF RCS JET F* *LOW FIELD INTERAC* *TIONS WITH THE LO* *CAL FLOW FIELD ON* *THE HYPERSONIC A* *ERODYNAMIC AND ST* *ABILITY AND CONTR* *OL CHARACTERISTIC* *S OF THE ORBITER* *DURING RE-ENTRY.*		*O.015 / *10.29-		*ARC / *ARC - *3.5-FOOT HYPER* *SONIC WIND TUN* *NEL *M. M. MANN *-DMS	*T.J. DZIUBALA /RO* *CKWELL *J. MARROQUIN /RO* *CKWELL *M. M. MANN *-DMS	*DMS-DR-2082 *DEC., 1973
LARC UPWT 1057 OA20A CR-134,081	*RESULTS OF INVEST* *IGATIONS (OA20) O*R /*N A O.015-SCALE 1* *40 A/B* *CONFIGURATION SPA* *CE SHUTTLE VEHICL* *E ORBITER MODEL I* *N THE* *NASA/LANGLEY RESE* *ARCH CENTER UNITA* *RY PLAN WIND TUNN* *EL*	SSV 140A/B ORBITE	*TO DETERMINE SUPE* *RSONIC TRIM AND S* *TABILITY CHARACTE* *RISTICS FOR THE* *140A/B ORBITER.*		*O.015 / *2.5 - *4.6		*LARC / *LARC - *UNITARY PLAN W* *IND TUNNEL *M. M. MANN *-DMS	*J.H.CAMPBELL, II, * *M.E.NICHOLS /ROC* *KWEILL *W.P.PHILLIPS /LAR* *C *M. M. MANN *-DMS	*DMS-DR-2083 *FEB., 1974
ARC 11TWT 716 IA14A CR-134,443	*AIRLOADS INVESTIG* *ATIONS OF AN O.03* /*O-SCALE MODEL OF* *THE SPACE SHUTTLE* *VEHICLE 140A/B LA* *UNCH CONFIGURATIO* *N (MODEL 47-OTS)* *IN THE ARC 11-FOO* *T UNITARY PLAN WI* *ND TUNNEL FOR MAC* *H RANGE 0.6 TO 1.* *4 (IA14A)*	SSV 140A/B LAUNCH	*OBTAIN PRESSURE D* *ISTRIBUTIONS ON I* *NTEGRATED LAUNCH* *VEHICLE; TO OBTAI* *N FORCE DATA*		*O.030 / *0.6 - *1.4		*ARC / *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY) *-DMS	*R. L. GILLINS, E.* *CHEE/RI *D. A. SARVER *J.T.DAVIET *-DMS	*DMS-DR-2084 *VOLUME 01 *FEB., 1975

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *AIRLOADS INVESTIG*	SSV 140A/B LAUNCH	*OBTAIN PRESSURE D*	PRESSURE	*0.030 /	*ARC /	*R. L. GILLINS, E.	*DMS-DR-2084
11TWT	- *ATIONS OF AN 0.03*		*ISTRIBUTIONS ON I*	FORCE	*0.6 -	*ARC -	*CHEE/RI	*VOLUME 02
716	/*O-SCALE MODEL OF *		*NTEGRATED LAUNCH *		*1.4	*11-FOOT TRANSO*	*D. A. SARVER	*MARCH, 1975
IA14A	*THE SPACE SHUTTLE*		*VEHICLE; TO OBTAI*		*	*NIC WIND TUNNE*	*J.T.DAVIET	*
CR-134,444	*VEHICLE 140A/B L*		*N FORCE DATA	*	*	*L (UNITARY)	*-DMS	*
	AUNCH CONFIGURATIO		*	*	*	*	*	*
	*N (MODEL 47-OTS) *		*	*	*	*	*	*
	IN THE ARC 11-FOO		*	*	*	*	*	*
	T UNITARY PLAN WI		*	*	*	*	*	*
	ND TUNNEL FOR MAC		*	*	*	*	*	*
	H RANGE 0.6 TO 1.		*	*	*	*	*	*
	*4 (IA14A)		*	*	*	*	*	*
	*		*	*	*	*	*	*
ARC	- *AIRLOADS INVESTIG*	SSV 140A/B LAUNCH	*OBTAIN PRESSURE D*	PRESSURE	*0.030 /	*ARC /	*R. L. GILLINS, E.	*DMS-DR-2084
11TWT	- *ATIONS OF AN 0.03*		*ISTRIBUTIONS ON I*	FORCE	*0.6 -	*ARC -	*CHEE/RI	*VOLUME 03
716	/*O-SCALE MODEL OF *		*NTEGRATED LAUNCH *		*1.4	*11-FOOT TRANSO*	*D. A. SARVER	*APRIL, 1975
IA14A	*THE SPACE SHUTTLE*		*VEHICLE; TO OBTAI*		*	*NIC WIND TUNNE*	*J.T.DAVIET	*
CR-143,445	*VEHICLE 140A/B L *		*N FORCE DATA	*	*	*L (UNITARY)	*-DMS	*
	AUNCH CONFIGURATI		*	*	*	*	*	*
	ON (MODEL 47-OTS)		*	*	*	*	*	*
	*IN THE ARC 11-FO *		*	*	*	*	*	*
	OT UNITARY PLAN W		*	*	*	*	*	*
	IND TUNNEL FOR MA		*	*	*	*	*	*
	CH RANGE 0.6 TO 1		*	*	*	*	*	*
	*.4 (IA14A)		*	*	*	*	*	*
	*		*	*	*	*	*	*
ARC	- *AIRLOADS INVESTIG*	SSV 140A/B LAUNCH	*OBTAIN PRESSURE D*	PRESSURE	*0.030 /	*ARC /	*R. L. GILLINS, E.	*DMS-DR-2084
11TWT	- *ATIONS OF AN 0.03*		*ISTRIBUTIONS ON I*	FORCE	*0.6 -	*ARC -	*CHEE/RI	*VOLUME 04
716	/*O-SCALE MODEL OF *		*NTEGRATED LAUNCH *		*1.4	*11-FOOT TRANSO*	*D. A. SARVER	*APRIL, 1975
IA14A	*THE SPACE SHUTTLE*		*VEHICLE; TO OBTAI*		*	*NIC WIND TUNNE*	*J.T.DAVIET	*
CR-143,446	*VEHICLE 140A/B L *		*N FORCE DATA	*	*	*L (UNITARY)	*-DMS	*
	AUNCH CONFIGURATI		*	*	*	*	*	*
	ON (MODEL 47-OTS)		*	*	*	*	*	*
	*IN THE ARC 11-FO *		*	*	*	*	*	*
	OT UNITARY PLAN W		*	*	*	*	*	*
	IND TUNNEL FOR MA		*	*	*	*	*	*
	CH RANGE 0.6 TO 1		*	*	*	*	*	*
	*.4 (IA14A)		*	*	*	*	*	*
	*		*	*	*	*	*	*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 111WT 716 IA14A CR-143,447	*AIRLOADS INVESTIG*SSV 140A/B LAUNCH *ATIONS OF AN O.03* /*O-SCALE MODEL OF * *THE SPACE SHUTTLE* *VEHICLE 140A/B L * *AUNCH CONFIGURATI* *ON (MODEL 47-OTS)* *IN THE ARC 11-FO * *OT UNITARY PLAN W* *IND TUNNEL FOR MA* *CH RANGE 0.6 TO 1* *.4 (IA14A) *	*OBTAIN PRESSURE D*PRESSURE *ISTRIBUTIONS ON I*FORCE *NTEGRATED LAUNCH * *VEHICLE; TO OBTAI* *N FORCE DATA *			*O.030 / *ARC / *0.6 - *ARC - *1.4 *11-FOOT TRANSO* * *NIC WIND TUNNE* * *L (UNITARY) *-DMS	*R. L. GILLINS, E. *CHEE/RI *D. A. SARVER *J.T.DAVIET	*DMS-DR-2084 *VOLUME 05 *APRIL, 1975	
ARC 111WT 716 IA14A CR-143,448	*AIRLOADS INVESTIG*SSV 140A/B LAUNCH *ATIONS OF AN O.03* /*O-SCALE MODEL OF * *THE SPACE SHUTTLE* *VEHICLE 140A/B L * *AUNCH CONFIGURATI* *ON (MODEL 47-OTS)* *IN THE ARC 11-FO * *OT UNITARY PLAN W* *IND TUNNEL FOR MA* *CH RANGE 0.6 TO 1* *.4 (IA14A) *	*OBTAIN PRESSURE D*PRESSURE *ISTRIBUTIONS ON I*FORCE *NTEGRATED LAUNCH * *VEHICLE; TO OBTAI* *N FORCE DATA *			*O.030 / *ARC / *0.6 - *ARC - *1.4 *11-FOOT TRANSO* * *NIC WIND TUNNE* * *L (UNITARY) *-DMS	*R. L. GILLINS, E. *CHEE/RI *D. A. SARVER *J.T.DAVIET	*DMS-DR-2084 *VOLUME 06 *APRIL, 1975	
ARC 111WT 716 IA14A CR-143,449	*AIRLOADS INVESTIG*SSV 140A/B LAUNCH *ATIONS OF AN O.03* /*O-SCALE MODEL OF * *THE SPACE SHUTTLE* *VEHICLE 140A/B L * *AUNCH CONFIGURATI* *ON (MODEL 47-OTS)* *IN THE ARC 11-FO * *OT UNITARY PLAN W* *IND TUNNEL FOR MA* *CH RANGE 0.6 TO 1* *.4 (IA14A) *	*OBTAIN PRESSURE D*PRESSURE *ISTRIBUTIONS ON I*FORCE *NTEGRATED LAUNCH * *VEHICLE; TO OBTAI* *N FORCE DATA *			*O.030 / *ARC / *0.6 - *ARC - *1.4 *11-FOOT TRANSO* * *NIC WIND TUNNE* * *L (UNITARY) *-DMS	*R. L. GILLINS, E. *CHEE/RI *D. A. SARVER *J.T.DAVIET	*DMS-DR-2084 *VOLUME 07 *APRIL, 1975	

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT 716 IA14A CR-143,450	- *AIRLOADS INVESTIGATIONS OF AN O.03 *O-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 140A/B L *AUNCH CONFIGURATION (MODEL 47-OTS) *IN THE ARC 11-FOOT UNITARY PLAN WIND TUNNEL FOR MACH RANGE 0.6 TO 1.4 (IA14A)	*SSV 140A/B LAUNCH	*OBTAIN PRESSURE DISTRIBUTIONS ON INTEGRATED LAUNCH VEHICLE; TO OBTAIN FORCE DATA	*PRESSURE FORCE	*0.030 / *ARC / *0.6 - *1.4	*RAC / *ARC - *11-FOOT TRANSONIC WIND TUNNEL (UNITARY)	*R. L. GILLINS, E. *CHEE/RI *D. A. SARVER *J.T.DAVIET *DMS	*DMS-DR-2084 *VOLUME 08 *APRIL, 1975
ARC 11TWT 716 IA14A CR-141,501	- *AIRLOADS INVESTIGATIONS OF AN O.03 *O-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 140A/B L *AUNCH CONFIGURATION (MODEL 47-OTS) *IN THE ARC 11-FOOT UNITARY PLAN WIND TUNNEL FOR MACH RANGE 0.6 TO 1.4 (IA14A)	*SSV 140A/B LAUNCH	*OBTAIN PRESSURE DISTRIBUTIONS ON INTEGRATED LAUNCH VEHICLE; TO OBTAIN FORCE DATA	*PRESSURE FORCE	*0.030 / *ARC / *0.6 - *1.4	*RAC / *ARC - *11-FOOT TRANSONIC WIND TUNNEL (UNITARY)	*R. L. GILLINS, E. *CHEE/RI *D. A. SARVER *J.T.DAVIET *DMS	*DMS-DR-2084 *VOLUME 09 *MAY, 1975
ARC 11TWT 716 IA14A CR-141,502	- *AIRLOADS INVESTIGATIONS OF AN O.03 *O-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 140A/B L *AUNCH CONFIGURATION (MODEL 47-OTS) *IN THE ARC 11-FOOT UNITARY PLAN WIND TUNNEL FOR MACH RANGE 0.6 TO 1.4 (IA14A)	*SSV 140A/B LAUNCH	*OBTAIN PRESSURE DISTRIBUTIONS ON INTEGRATED LAUNCH VEHICLE; TO OBTAIN FORCE DATA	*PRESSURE FORCE	*0.030 / *ARC / *0.6 - *1.4	*RAC / *ARC - *11-FOOT TRANSONIC WIND TUNNEL (UNITARY)	*R. L. GILLINS, E. *CHEE/RI *D. A. SARVER *J.T.DAVIET *DMS	*DMS-DR-2084 *VOLUME 10 *MAY, 1975

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT 716 IA14A CR-141,503	*AIRLOADS INVESTIGATIONS OF AN O.03 *SCALE MODEL OF *THE SPACE SHUTTLE *VEHICLE 140A/B L *AUNCH CONFIGURATI *ON (MODEL 47-OTS) *IN THE ARC 11-FO *OT UNITARY PLAN W *IND TUNNEL FOR MA *CH RANGE 0.6 TO 1 *4 (IA14A)	*SSV 140A/B LAUNCH *OBTAIN PRESSURE D *ISTRIBUTIONS ON I *NTEGRATED LAUNCH *VEHICLE; TO OBTAI *N FORCE DATA	*PRESSURE *FORCE	*0.030 / *ARC / *0.6 - *ARC - *1.4	*R.L. GILLINS, E. *CHEE/RI *D. A. SARVER *J.T.DAVIET *DMS	*DMS-DR-2084 *VOLUME 11 *MAY, 1975		
ARC 3.5HWT 171 OH10 IH2 CR-167,344	*REPORT OF PRESSUR *SPACE SHUTTLE INT *E DISTRIBUTION TE *EGRATED VEHICLE P *STS OF THE O.010 *RESSURE MODEL 26 *SCALE SPACE SHUTT *LE VEHICLE MODEL * (26-OTS) IN THE N *ASA/ARC 3.5-FOOT *HYPERSONIC WIND *TUNNEL (TESTS OH1 *O AND IH2)	*TO OBTAIN HYPERSO *NIC SURFACE PRESS *URES ON THE MODEL *TO CORRELATE AER *ODYNAMIC HEATING *DATA AND VERIFY L *ADS PREDICTIONS	*PRESSURE	*0.010 / *ARC / *0.10 / *ARC - *5.3 - *7.4	*W. H. DYE, R. B. *KINGSLAND / ROCKWE *D. A. SARVER *H. C. ZIMMERLE *DMS	*DMS-DR-2085 *JAN., 1982		
NRLAD LSWT 712 OA71C CR-134,078	*EFFECTS OF THE SI *89B ORBITER *X ENGINE AIR BREA *SPACE SHUTTLE ORB *THING PROPULSION *SYSTEM NACELLE CO *WL-INLET DESIGN *AND DETERMINE THE *EFFECT OF THIS D *ESIGN ON THE ORBI *TER STABILITY AND *CONTROL CHARACTER *ISTICS	*OPTIMIZE AIR BREA *FORCE *THING PROPULSION *SYSTEM NACELLE CO *WL-INLET DESIGN *AND DETERMINE THE *EFFECT OF THIS D *ESIGN ON THE ORBI *TER STABILITY AND *CONTROL CHARACTER *ISTICS	*FORCE	*0.0405 / *NRLAD / *0.21 - *NRLAD - *LOW SPEED WIND *TUNNEL	*R.C. MENNEL AND *T. SOARD / ROCKWE *D. E. POUCHER *DMS	*DMS-DR-2086 *FEB., 1974		

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC 14TWT 578 SA10F CR-134, 116	- *EFFECT OF ENGINE *SRB WITH VARIED *SHROUD CONFIGURAT*ION ON THE STATIC *AERODYNAMIC *CHARACTERISTICS O	*SRB WITH VARIED *SRB WITH VARIED *HROUD MOUNTED STR	*DETERMINE EFFECTS *OF ENGINE SHROUD *SIZE AND SHAPE O	*FORCE	*0.00563 / *0.4 - *4.96	*MSFC / *NSI / *MSFC - *14-INCH TRISON	*J.D. JOHNSON / MS *FC *W.F. BRADDOCK / N *SI	*DMS-DR-2087 *SEPT., 1974
	*F A 0.00563 SCALE *142-INCH DIAMETE *R SOLID ROCKET *BOOSTER	*AKES AND TVC BOT *LES	*THE SRB			*IC WIND TUNNEL *V. W. SPARKS *V. W. SPARKS *-DMS		
LARC 8TPT 655 8TPT 662 SA2FA SA2FB CR-134, 105	- *AERODYNAMIC CHARA *CTERISTICS OF A 1 *42-INCH DIAMETER *SOLID ROCKET *BOOSTER (CONFIGUR *ATION 139)	*142-INCH SOLID RO *CKET BOOSTER *LL	*AERODYNAMICS OF *RB DURING FREE-FA	*FORCE	*0.02112 / *0.4 - *1.2	*LARC / *LARC - *8-FOOT TRANSON *IC PRESSURE TU *NNEL *8-FOOT TRANSON *IC PRESSURE TU *NNEL	*J.D. JOHNSON/MSFC *W.D. RADFORD/NSI *J. E. VAUGHN *A. T. KAVANAUGH *-DMS	*DMS-DR-2088 *JULY, 1974
LARC 8TPT 661 OA25 CR-134, 082	- *RESULTS OF INVEST *IGATIONS ON AN O. *015-SCALE CONFIGU *RATION 140A/B SPA *CE SHUTTLE ORBITE	*140A/B	*VERIFY LONGITUDIN *AL AND LATERAL-DI *RECTIONAL CHARACT *ERISTICS OF 140A/*B ORBITER, DETERM	*FORCE	*0.015 / *0.35 - *1.2	*LARC / *LARC - *8-FOOT TRANSON *IC PRESSURE TU *NNEL	*J. H. CAMPBELL II *AND M. E. NICHOL *W. P. PHILLIPS/LA *NGLEY RESEARCH CE *NTER *B. W. MYERS *-DMS	*DMS-DR-2089 *APRIL, 1974
	*R MODEL (49-0) IN *THE NASA/LANGLEY *RESEARCH CENTER *8-FOOT TRANSONIC *PRESSURE TUNNEL (*OA25)	*INE SURFACE DEFLE *CTION EFFECTS ON *VEHICLE PERFORMAN *CE, AND TO DETERM *INE COMPONENT BUI *LDUP EFFECTS						
LARC UPWT 1040 LABC CR-134, 080	- *SUPERSONIC PERFOR *MANCE, STABILITY *AND CONTROL CHARA *CTERISTICS OF A O *01875 SCALE MODE *L ROCKWELL INTERN *ATIONAL 089B-139B *ORBITER CONFIGUR *ATION (LABC)	*089B-139B ORBITER *CONFIGURATION *C CHARACTERISTICS *OF A ROCKWELL IN	*TO STUDY THE SUPE *RSONIC AERODYNAMI	*FORCE	*0.01875/ *1.9 - *2.86	*LARC / *LARC - *UNITARY PLAN W *IND TUNNEL	*G. M. WARE/LARC *R. W. POWELL/LARC *J. E. VAUGHN *B. W. MYERS *-DMS	*DMS-DR-2090 *MARCH, 1974

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 8TPT 657/660 LA7B CR-141,512	*SUBSONIC AND TRAN* *SONIC AERODYNAMIC* /*CHARACTERISTICS * *ASSOCIATED WITH V* *ARIATIONS IN THE * *GEOMETRY OF THE F* *ORWARD PORTION OF* *IRREGULAR PLANFO * *RM WINGS ON A .01* *B75 SCALE LO-100 * *LANGLEY CONCEPT S* *PACE SHUTTLE ORBI* *TER IN THE LANGLE* *Y 8-FOOT TPT (LA7* *B)	LO-100 ORBITER	*EFFECTS OF WING-F* *ILLET LEADING EDG* *E CONFIGURATION	*FORCE	*O.35 - *1.2	*LARC / *LARC - *B-FOOT TRANSON*-DMS *IC PRESSURE TU* *NNEL	*B. SPENCER /NASA *D. E. POUCHER	*DMS-DR-2091 *MARCH, 1975
LARC 22HT 415 OA72 TM-X 71968	*HYPERSONIC STABIL* *ITY AND CONTROL C* /*CHARACTERISTICS OF* *A O.004 SCALE * *MODEL (34-O) ROCK* *WELL INTERNATIONAL* *L SPACE SHUTTLE O* *RBITER VEHICLE 3 * *CONFIGURATION (OA* *-72)	ORBITER 139B (34-O)	*TO DETERMINE THE * *HYPERSONIC AERODY* *NAMIC PERFORMANCE* *, LONGITUDINAL * *TRIM, AND STATIC * *STABILITY AND CON* *TROL AND DETERMIN* *E THE EFFECT * *OF REYNOLDS NUMBE* *R ON LONGITUDINAL* *STABILITY.	*FORCE	*O.004 / *17.6 - *21.6	*LARC / *LARC - *22-INCH HELIUM* *TUNNEL *RI *M. M. MANN *-DMS	*DAVID R. STONE/LA *RC *ROBERT MULFINGER/*	*DMS-DR-2092 *NOV., 1974
MSFC 14TWT 585 IA37B CR-134,090	*EFFECT OF EXTERNA* *L TANK NOSE SHAPE* /*ON THE ROCKWELL * *INTERNATIONAL SPA* *CE SHUTTLE VEICL* *E 3, (INTEGRATED * *CONFIGURATION (IA* *37B)	EXTERNAL TANK, T9 EXTERNAL TANK, T1 EXTERNAL TANK, T1 EXTERNAL TANK, T1 EXTERNAL TANK, T1 SRB, S12 SRB, S12	*TO INVESTIGATE TH* *E EFFECT ON THE I* *NTEGRATED VEHICLE* *AERODYNAMIC CHAR * *ACTERISTICS OF SE* *VERAL TANK NOSE S* *HAPES	*FORCE	*O.004 / *0.6 - *4.96	*MSFC / *MSFC - *14-INCH TRISON* *IC WIND TUNNEL*-DMS	*E. C. ALLEN/RI *V. W. SPARKS *J. L. GLYNN	*DMS-DR-2093 *MARCH, 1974

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL SCALE*	TESTING AGENCY	*COGNIZANT TEST DMS PERSONNEL	*BASIC PUBLICATIONS OR COMMENTS
NRLAD LSWT 715 OA62A CR-134,102	- *CONTINUED INVESTIGATIONS IN THE NA* /*AL LOW SPEED WIND TUNNEL INTO THE EFFECTS OF THE AIR BREATHING PROPULSION SYSTEM ON ORBITER SUBSONIC STABILITY AND CONTROL CHARACTERISTICS (OA62A)	*140A/B SSV ORBITER INITIATED ON TEST S OA16, OA71A, AN D OA71C FOR OPTIMIZING THE AIR BREATHING PROPULSION SYSTEM (ABPS) AND INVESTIGATE THE AERODYNAMIC EFFECTS OF VARIOUS NACELLE NUMBER/Locations ION CONFIG. ON THE ORBITER STABILITY AND CONTROL CHARACTERISTICS	*CONTINUE STUDIES FORCE	*	*0.0405 / *0.2 - *0.2	NR / NRLAD LOW SPEED WIND TUNNEL	*R. MENNELL/ROCKWELL INTERNATIONAL M. MANN DMS	*DMS-DR-2097 JUNE, 1974
ARC 3.5HWT 172 IH15 CR-134,096	- *HEAT TRANSFER TESTS OF A THIN-SKIN SPACE SHUTTLE MODEL (41-QTS) IN THE MES 3.5-FOOT HWT AT M=5.3	*B10C5D7F4M3V5W87 *B10C5D7F4M3V5W87T *B10C5D7F4M3V5W87T *B8S6 *T8 *AT M=5.3	*PARAMETRICALLY INVESTIGATE THE HEATING OF THE INTEGRATED VEHICLE CLE	*HEAT-TRANS	*0.006 / *5.3 - *5.3	ARC / ARC 3.5-FOOT HYPERSONIC WIND TUNNEL	*D. G. WALSTAD AND *W. J. GRIFALL/R *OCKWELL INTERNATIONAL T. L. LOCKMAN/ARC T. L. MULKEY B. W. MYERS DMS	*DMS-DR-2098 OCT., 1974
AEDC HWTB VA352 OH4B CR-134,419	- *DATA REPORT FOR TESTS ON THE HEAT TRANSFER EFFECTS OF THE O.0175-SCALE ROCKWELL INTER-NATIONAL SPACE SHUTTLE VEHICLE MODEL 22-OT IN THE AEDC 50-INCH B WIND TUNNEL	*T22-OT *T *SCA *ROCKWELL INTER-NATIONAL SPACE SHUTTLE VEHICLE MOD *EL 22-OT IN THE AEDC 50-INCH B WIN *D TUNNEL	*HEAT TRANSFER EFFECTS	*HEAT-TRANS	*0.0175 / *8.0 - *8.0	AEDC / AEDC HYPERSONIC WIND TUNNEL (B)	*T. F. FOSTER, W. *J. GRIFALL / ROCKWELL D. A. SARVER B. J. FRICKEN DMS	*DMS-DR-2099 VOLUME 01 FEB., 1975

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *DATA REPORT FOR T*22-OT		*HEAT TRANSFER EFF	*HEAT-TRANS	*0.0175 /	*AEDC /	*T. F. FOSTER, W.	*DMS-DR-2099
HWTB	- *ESTS ON THE HEAT *		*ECTS	*	*8.0 -	*AEDC -	*J. GRIFALL/ROCKWE	*VOLUME 02
VA352	/*TRANSFER EFFECTS *		*	*	*8.0	*HYPERSONIC WIN	*LL	*FEB., 1975
OH4B	*OF THE O.0175-SCA*		*	*	*	*D TUNNEL (B)	*D. A. SARVER	*
CR-134,438	*LE ROCKWELL INTER*		*	*	*		*B. J. FRICKEN	*
	NATIONAL SPACE SH		*	*	*		*-DMS	*
	UTTLE VEHICLE MOD		*	*	*			*
	EL 22-OT IN THE A		*	*	*			*
	*EDC 50-INCH WIND *		*	*	*			*
	*TUNNEL		*	*	*			*
	*		*	*	*			*
AEDC	- *DATA REPORT FOR T*22-OT		*HEAT TRANSFER EFF	*HEAT-TRANS	*0.0175 /	*AEDC /	*T. F. FOSTER, W.	*DMS-DR-2099
HWTB	- *ESTS ON THE HEAT *		*ECTS	*	*8.0 -	*AEDC -	*J. GRIFALL/ROCKWE	*VOLUME 03
VA352	/*TRANSFER EFFECTS *		*	*	*8.0	*HYPERSONIC WIN	*LL	*FEB., 1975
OH4B	*OF THE O.0175-SCA*		*	*	*	*D TUNNEL (B)	*D. A. SARVER	*
CR-134,439	*LE ROCKWELL INTER*		*	*	*		*B. J. FRICKEN	*
	NATIONAL SPACE SH		*	*	*		*-DMS	*
	UTTLE VEHICLE MOD		*	*	*			*
	EL 22-OT IN THE A		*	*	*			*
	EDC 50-INCH B WIN		*	*	*			*
	*D TUNNEL		*	*	*			*
	*		*	*	*			*
AEDC	- *PHASE CHANGE PAIN*ORB.(VL70-000139)*		*DETERMINE INTERFE	*HEAT-TRANS	*0.0175 /	*AEDC -	*M. QUAN,C.CRAIG/RI	*DMS-DR-2100
HWTB	- *T TESTS ON ROCKWE*/ET (VL78-00041) *		*RENCE EFFECTS AND*	*	*8.0 -	*HYPERSONIC WIN	*M. M. MOSER JR.	*JUNE, 1974
VA289	/*LL ORBITER/TANK A*AND ORB. ALONE *		*HEATING RATES ON *	*	*8.0	*D TUNNEL (B)	*-DMS	*
OH3A	*ND ORBITER ALONE *		*RI ORBITER (VL70-*	*AN ORBITER/TANK *	*			*
OH3B	*CONFIGURATIONS *		*OOO139)	*CONFIGURATION AND*	*			*
CR-134,075	*		*	*ON AN ORBITER AL *	*			*
	*		*	*ONE,WITH AND WITH*	*			*
	*		*	*OUT TPS TILE SIMU*	*			*
	*		*	*LATION.	*			*
	*		*	*	*			*

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD LSWT 717 OA62B CR-134, 112	- *INVESTIGATION OF *SPACE SHUTTLE ORB* /*ITER SUBSONIC STA* *BILITY AND CONTRO* *L CHARACTERISTICS* *IN THE NAAL LOW * *SPEED WIND TUNNEL* *(OA62B)	*140A/B SSV ORBITE* *ONGITUDINAL STABI* *LITY CHARACTERIST* *ICS IN AND OUT OF* *GROUND EFFECT AN * *D LATERAL-DIRECTI* *ONAL STABILITY CH* *ARACTERISTICS IN * *FREE AIR	*ESTABLISH BASIC L* *FORCE		*0.0405 / *NR / *0.12 - *NRLAD - *0.26 *LOW SPEED WIND* * *TUNNEL		*R. MENNELL/RI SPA* *CE DIVISION *T. HUGHES/RI SPAC* *E DIVISION *M. M. MANN *-DMS	*DMS-DR-2104 *VOLUME 01 *JULY, 1974
NRLAD LSWT 717 OA62B CR-134, 113	- *INVESTIGATION OF *SPACE SHUTTLE ORB* /*ITER SUBSONIC STA* *BILITY AND * *CONTROL CHARACTER* *ISTICS IN THE NAA* *L LOW SPEED WIND * *TUNNEL (OA62B)	*140A/B SSV ORBITE* *ONGITUDINAL STABI* *LITY CHARACTERIST* *ICS IN AND OUT * *OF GROUND EFFECT * *AND LATERAL-DIREC* *TIONAL STABILITY * *CHARACTERISTICS * *IN FREE AIR.	*ESTABLISH BASIC L* *FORCE		*0.0405 / *NR / *0.12 - *NRLAD - *0.26 *LOW SPEED WIND* * *TUNNEL		*R. MENNELL / ROCK* *WELL INTERNATIONAL* *L / SPACE DIVISIO* *N *T. HUGHES / ROCK* *WELL INTERNATIONAL* *L / SPACE DIVISIO* *N *M. M. MANN *-DMS	*DMS-DR-2104 *VOLUME 02 *AUGUST, 1974
LARC 8VDHT 646/647 IH17 CR-144, 594	- *TRANSITION HEATIN* *G RATES OBTAINED * /*ON A MATED AND IS* *LATED 0.006 SCAL* *E MODEL (41-OT) S* *PACE SHUTTLE ORBI* *TER AND EXTERNAL * *TANK IN THE NASA/* *LARC VARIABLE DEN* *SITY HYPERSONIC T* *UNNEL	*ORBITER + EXTERNA* *L TANK, SSV MODEL* *41-OTS *EXTERNAL TANK ALO* *AND ORBITER *NE, SSV MODEL 41-* *OTS *ORBITER ALONE, SS* *V MODEL 41-OTS *V *V *V *V *V	*TO INVESTIGATE AS* *HEAT-TRANS* *CENT HEATING OF T* *HE COMBINED TANK * *AND ORBITER *HEAT-TRANS* *CENT HEATING OF T* *HE COMBINED TANK * *AND ORBITER *HEAT-TRANS* *CENT HEATING OF T* *HE COMBINED TANK *		*8.0 - *LARC / *8.0 *LARC - * *MACH 8 VARIABLE* * *E-DENSITY HYPE* * *RSONIC TUNNEL		*J. CUMMINGS/RI *D. A. SARVER *J. E. VAUGHN *-DMS *J. E. VAUGHN *-DMS	*DMS-DR-2105 *SEPT., 1976
LARC UPWT 1046/1049 LA14A LA14B TM-X 72630	- *SUPERSONIC DYNAMI* *C STABILITY DERIV* /*ATIVES OF A MODIF* *IED O89B *SHUTTLE ORBITER *TA)	*O89B ORB.W/MOD NO* *TABILITY DERIVATI* *VES *(SEE ALSO LA-20 F* *OR LOW MACH NO.DA* *TA)	*MEASURE DYNAMIC S* *FORCE		*.0165 / *LARC / *LARC - *UNITARY PLAN W* *IND TUNNEL		*D.C. FREEMAN, R.P* *BOYDEN, E.E. DA* *VENPORT/LARC *J. E. VAUGHN *J. E. VAUGHN *-DMS	*DMS-DR-2106 *JAN., 1975

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WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC CF4 97-118	*HEAT TRANSFER TES*ORBITER CONFIGURA* *TS OF AN O.006-SC*TION 2A /*ALE THIN-SKIN SPA*EXTERNAL TANK		TO OBTAIN ASCENT *HEAT-TRANS* *HEATING DATA AT C* *CONDITIONS SIMULAT*		6.0 -	LARC / LARC - FREON TUNNEL	D. G. WALSTAD/ RO* CKWELL INTERNATIO* NAL	DMS-DR-2110 JAN., 1976
IH18	*CE SHUTTLE		*ING REAL GAS				J. E. VAUGHN	
CR-144,589	*THERMOCOUPLE MODE* *L (41-OT) IN THE * *LANGLEY RESEARCH * *CENTER FREON * *TUNNEL AT M = 6 (* *IH18)		*EFFECTS AT HYPERS* *ONIC MACH NUMBERS*				M. M. MANN -DMS	
MSFC 14TWT 590/595 SA26F	*REENTRY AERODYNAM*MODEL 449/CONF.NB* *IC CHARACTERISTIC*RE1, NBRE1A, NBRE*C /*S OF A SPACE SHUT*1B, NBRE1S1ELT		TO EVALUATE STATI* *C AERODYNAMIC STA* *BILITY OF AN SRB.*		0.563 / 0.6 - 4.96	LARC / MSFC - 14-INCH TRISON*I IC WIND TUNNEL*	J. D. JOHNSON W. F. BRADDOCK/NS* J. E. VAUGHN	DMS-DR-2111 NOV., 1974
CR-134,435	*BOOSTER MODEL 449* *TESTED IN MSFC 1 * *4 X 14 INCH TWT * *						-DMS	
AEDC SWTA VA422 IA57	*AERODYNAMIC RESUL*INTEGRATED VEHICL* *TS OF WIND TUNNEL*E (CONFIGURATION /*SEPARATION TESTS *3) *ON A O.01-SCALE *		DETERMINE PROXIMI* *TY FORCE AND MOMEN* *NTS FOR ORB.AND E* *T. AND SRB		0.01 / 4.5 -	ROCKWELL/ AEDC - SUPERSONIC WIN* D TUNNEL (A)	J. J. DAILED/RI J. E. VAUGHN J. E. VAUGHN -DMS	DMS-DR-2112 NOV., 1974
CR-134,401	*MODEL (32-OTS) SP* *ACE SHUTTLE INTEG* *RATED VEHICLE (IA* *57)		*W AND W/O SEPARAT* *ION ROCKETS FIRIN* *G.					
LARC CFHT 101 OA85	*EFFECTS OF REACTI*VL70-000139 *ON CONTROL SYSTEM* /*JET FLOW FIELD I * *INTERACTIONS ON TH*		*OBTAIN DETAILED E* *FFECTS ON SSV HYP* *ERSONIC AERODYNAM* *IC AND STABILITY * *AND CONTROL CHARA* *CTERISTICS OF RSC* *JET FLOW FIELD I * *INTERACTION WITH T* *HE LOCAL VEHICLE * *FLOW FIELD.		0.010 / 10.3 - 10.3	LARC / LARC - CONTINUOUS-FLO* W HYPERSONIC T*N /RI UNNEL	T. A. BLACKSTOCK /LARC - J. J. DAI* LEDA, J. MARROQUI* M. M. MOSER JR. -DMS	DMS-DR-2113 OCT., 1974
CR-134,111	*E AERODYNAMIC CHA* *RACTERISTICS OF A * *O.010 SCALE SPAC * *E SHUTTLE ORBITER* *MODEL IN THE LAN * *GLEY RESEARCH CEN* *TER 31-INCH CFHT * *							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD LSWT 716 OA86 CR-134,098	- *AERODYNAMIC INVESTIGATIONS INTO VARIOUS LOW SPEED L/D IMPROVEMENT DEVICES ON THE 14* OA/B SPACE SHUTTLE ORBITER CONFIGURATION IN THE RINAAL WIND TUNNEL (OA86)	*B30 THRU B50C9M7F*8W116E26V8R5X9	*INVESTIGATION OF VARIOUS BASE DRAG REDUCTION TECHNIQUES IN AN ATTEMPT TO IMPROVE L/D RATIOS AND TO CALCULATE STING INTERFERENCE EFFECTS	*FORCE	*0.0405 / *0.2 - *0.2	*NRLAD / *NRLAD - *LOW SPEED WIND TUNNEL	*R. C. MENNELL/RI *D. A. SARVER *G. G. MCDONALD *DMS	*DMS-DR-2114 *JUNE, 1974
ARC 3.5HWT 176 OA87 CR-134,085	- *RESULTS OF INVESTIGATIONS ON A 0.015-SCALE MODEL (4*9-0) OF THE SPACE SHUTTLE ORBITER IN THE NASA/AMES 3.5-FOOT HYPERSONIC WIND TUNNEL (OA87)	*140A/B	*VERIFY SUPERSONIC STABILITY AND CONTROL CHARACTERISTICS, VERIFY CONTROL SURFACE EFFECTIVENESS AND INVESTIGATE REYNOLDS NUMBER EFFECT	*FORCE	*0.015 / *5.3 - *10.0	*ARC / *ARC - *3.5-FOOT HYPERSONIC WIND TUNNEL	*M. T. PETROZZI AN *D M. D. MILAM/ROCKWELL INTERNATIONAL *J. A. MELLENTHIN/AMES RESEARCH CENTER *B. W. MYERS *DMS	*DMS-DR-2115 *MARCH, 1974
NRLAD 7TWT 278 OA91 CR-134,888	- *EFFECT OF THE SIX*ENGINE AIR BREATHING PROPULSION SYSTEM ON SPACE SHUTTLE ORBITER SUBSONIC AND TRANSONIC STABILITY AND CONTROL CHARACTERISTICS (OA91)	*B19C7F5J59W107E23*V7R5X20 + NACELLE SRAKES	*EFFECT OF THREE AIR BREATHING PROPULSION SYSTEMS ON SUBSONIC AND TRANSONIC STABILITY AND CONTROL CHARACTERISTICS, LONG-TERM STABILITY, AND LAT-DIR STABILITY OF THE -139B SHUTTLE ORBITER	*FORCE	*0.015 / *0.5 - *0.9	*NR / *NRLAD - *7-FOOT TRISONIC WIND TUNNEL	*H. C. SMITH /RI *D. A. SARVER *G. G. MCDONALD *DMS	*DMS-DR-2116 *APRIL, 1974

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC BVDHT 648 OH14 CR-147,617	*TRANSITION HEATIN* *G RATES DETERMINE* /*D ON A 0.006 SCAL* *E SPACE SHUTTLE * *ORBITER MODEL (NO* * 50-0) IN THE NA* *SA/LARC MACH 8 VA* *RIABLE DENSITY * *WIND TUNNEL TEST * *(OH14)	*B22C7F5M4V7W111	*PERFORMED TO DETE* *RMINE TRANSITION * *HEATING RATES USI* *NG THIN SKIN * *THERMOCOUPLES. *	*HEAT-TRANS* *8.0 - * *8.0 * * * * * * * * * * * * * * *	*.006 / * *8.0 - * *8.0 * * * * * * * * * * * * * * *	*LARC / * *LARC - * *MACH 8 VARIABL* *E-DENSITY HYPE* *RSONIC TUNNEL *L *G. G. MCDONALD * *-DMS * * * * * * *	*J. CUMMINGS/ROCKW* *ELL INTERNATIONAL* *R. RAPARELLI/ROCK* *WELL INTERNATIONAL* * * * * * * * * * *	*DMS-DR-2117 *SEPT., 1976 * * * * * * * * * * * * * *
LARC 8TPT 667 IA41 CR-134,108	*RESULTS OF TRANSO* *NIC WIND TUNNEL T* /*ESTS ON AN 0.015 * *SCALE SPACE * *SHUTTLE MATED VEH* *ICLE MODEL(67-OTS* *) IN THE LARC 8-F* *OOT TPT (IA41) *	*MATED INTEGRATED * *VEHICLE MODEL(67- * *OTS) * * * * * * * * * * * * *	*LONG. AND LAT.-DI* *RECT STAB. CHAR. * *DURING CONFIG BUI* *LD-UP. * *(SEE ALSO IA42A/B* *TEST RESULTS FOR * *HIGHER MACH NO. * *DATA) *	*FORCE * * * * * * * * * * * * * * *	*0.015 / * *0.6 - * *1.20 * * * * * * * * * * * * *	*ROCKWELL/ * *LARC - * *8-FOOT TRANSON* *IC PRESSURE TU* *NNEL *-DMS * * * * * * * * *	*R. HARDIN/ R. BUR* *ROWS- ROCKWELL * *J. E. VAUGHN * *J. E. VAUGHN * * * * * * * * * * *	*DMS-DR-2118 *AUGUST, 1974 * * * * * * * * * * * * * *
LARC UPWT 1056/1073 IA42A IA42B CR-134,109	*SUPERSONIC TESTS * *OF AN 0.015-SCALE* *SPACE SHUTTLE MA * *TED VEHICLE MODEL* *(67-OTS) IN THE * *LARC UPWT TO OBT* *IN AERODYNAMIC FO* *RCE DATA *	*CONFIGURATION 4 M* *ATED SSV (67-OTS)* * * * * * * * * * * * *	*TO OBTAIN AERODYN* *AMIC FORCE DATA * * * * * * * * * * * * *	*FORCE * * * * * * * * * * * * * * *	*0.015 / * *1.6 - * *4.6 * * * * * * * * * * * * *	*ROCKWELL/ * *LARC - * *UNITARY PLAN W* *IND TUNNEL *J. E. VAUGHN *-DMS * * * * * * * * *	*R. HARDIN, R. BUR* *ROWS/RI * *D. A. SARVER * *J. E. VAUGHN * * * * * * * * * * *	*DMS-DR-2119 *AUGUST, 1974 * * * * * * * * * * * * * *
LARC 8TPT 668 OA106 CR-134,426	*WIND TUNNEL TESTS* *OF AN 0.015-SCAL * /*E CONFIGURATION 1* *40A/B SPACE SHUTT* *LE ORBITER MODEL * *(67-0) IN THE NAS* *A/LRC 8-FOOT TPT * *TO OBTAIN TRANSON* *IC AERODYNAMIC FO* *RCE DATA (OA106) *	*ORBITER * * * * * * * * * * * * * * *	*EFFECT OF SPEEDBR* *AKE AND BODY FLAP* * * * * * * * * * * * *	*FORCE * * * * * * * * * * * * * * *	*0.015 / * *0.35 - * *1.2 * * * * * * * * * * *	*R.I. / * *LARC - * *8-FOOT TRANSON* *IC PRESSURE TU* *NNEL * * * * * * * * *	*V. W. SPARKS * *M. M. MOSER JR. * *-DMS * * * * * * * * * * *	*DMS-DR-2120 *JAN., 1975 * * * * * * * * * * * * * *

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 8TPT 669 LA38A	- *TRANSONIC AERODYNAMIC INVESTIGATION	*TASK CANCELLED, JULY 1975	*TEST CANCELLED, JULY 1975	*FORCE	*0.015 / *0.35 - *1.2	*LARC / *LARC - *8-FOOT TRANSONIC PRESSURE TUNNEL	*W.P. PHILLIPS / *D.C. FREEMAN, JR. / *V. W. SPARKS	*DMS-DR-2121 / *TASK CANCELLED / *JULY, 1975
NRLAD 7TWT 280 IA69 CR-134,424	- *INVESTIGATION OF SPACE SHUTTLE LAUNCH VEHICLE EXTERNAL TANK NOSE CONFIGURATION EFFECTS (MODEL 67-OTS)	*LAUNCH CONFIGURATION QUALIFY A NEW EXTERNAL TANK NOSE CONFIGURATION	*PRESSURE	*0.015 / *1.1 - *1.2	*RI / *NRLAD - *7-FOOT TRANSONIC WIND TUNNEL	*R.L. ROGGE / ROCKWELL INTERNATIONAL / *D. A. SARVER / *V. W. SPARKS	*DMS-DR-2122 / *DEC., 1974	
MSFC 14TWT 588 IA53 CR-141,504	- *RESULTS FROM INVESTIGATIONS IN THE NASA/MSFC TWT ON A 0.004 SCALE MODEL SPACE SHUTTLE LAUNCH VEHICLE (MODEL 13P-OTS) TO DETERMINE GAS SUPPLY STRUT EFFECTS ON MODEL PRESSURE ENVIRONMENT (IA53)	*LAUNCH CONFIGURATION DETERMINE EFFECT OF GAS SUPPLY STRUTS ON AFT AND BASE PRESSURE ENVIRONMENTS OF SPACE SHUTTLE LAUNCH VEHICLE	*PRESSURE	*0.004 / *0.9 - *2.99	*R.I. / *MSFC - *14-INCH TRANSONIC WIND TUNNEL	*W. GARTON / ROCKWELL INTERNATIONAL / *V. W. SPARKS	*DMS-DR-2123 / *JAN., 1975	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 3.5HWT 180 IA16 OA26 CR-134,093	- *RESULTS OF TESTS *140A/B ORBITER CO*	*140A/B ORBITER CO*	*DETERMINE SURFACE*PRESSURE	*1.0 /	*ARC -	*R. H. SPANGLER AN*	*DMS-DR-2124	
	- *OA26 AND IA16 IN *NFIGURATION	*NFIGURATION	*STATIC PRESSURE *	*5.3 -	*3.5-FOOT HYPER*D D. E. THORNTON/*	*MAY, 1974		
	/*THE NASA/ARC 3.5-*VEHICLE 4 EXTERNA*	*DISTRIBUTIONS ON *		*10.3	*SONIC WIND TUN*ROCKWELL INTERNAT*			
	*FOOT HYPERSONIC *L TANK PLUS 140A/*	*THE ORBITER FUSEL*		*	*NEL	*IONAL	*	
	*WIND TUNNEL ON A *B ORBITER		*AGE, FOR BOTH THE*	*		*B. W. MYERS	*	
	0.015 SCALE MODEL		*ASCENT AND ENTRY *	*		*-DMS	*	
	*(36-OTS) OF THE *		*FLIGHT PHASES, E *	*			*	
	SPACE CONFIGURATI		*O SUPPORT ORBITER*	*			*	
	ON 140A/B TO OBT		*VENTING STUDIES *	*			*	
	*IN PRESSURES FOR *			*			*	
	*VENTING ANALYSIS *			*			*	
	*			*			*	
LARC 22HT 422 OA88 CR-134,409	- *HYPERSONIC STABIL*BODY ALONE (-140A*TO DETERMINE HYPE*FORCE			*0.004 /	*R/I /	*DAVID R. STONE /N*	*DMS-DR-2125	
	- *ITY AND CONTROL C*/B)		*RSONIC STABILITY *	*18.1 -	*LARC -	*ASA-LARC	*SEPT., 1974	
	/*CHARACTERISTICS AN*ORBITER (-140A/B)*		*AND CONTROL CHARA*	*21.6	*22-INCH HELIUM*P. HAWTHORNE /RI *			
	D REYNOLDS NUMBER		*CTERISTICS AND *	*	*TUNNEL	*J. E. VAUGHN	*	
	EFFECTS OF THE RO		*REYNOLDS NUMBER E*	*		*J. E. VAUGHN	*	
	CKWELL SSV 140 A/		*FFECT ON ROCKWELL*	*		*-DMS	*	
	B ORBITER CONFIGU		*-140 A/B ORBITER *	*			*	
	*RATION			*			*	
	*			*			*	
LARC CFHT 100 LA25	- *EFFECTS OF REACTI*TASK CANCELLED, D*TEST CANCELLED, D*FORCE			*0.01 /	*LARC -	*TOM BLACKSTOCK /N*	*DMS-DR-2126	
	- *ON CONTROL SYSTEM*EC., 1976		*ECEMBER 1976 *	*10.3 -	*CONTINUOUS-FLO*ASA-LARC	*TASK		
	/*JET SIMULATION O *			*10.3	*W HYPERSONIC T*J. E. VAUGHN	*CANCELLED		
	*N THE HYPERSONIC *			*	*UNNEL	*J. E. VAUGHN	*DEC., 1976	
	PERFORMANCE, STAB			*		*-DMS	*	
	ILITY AND CONTROL			*			*	
	*CHARACTERISTICS *			*			*	
	*OF A .01 SCALE *			*			*	
	ROCKWELL INTERNAT			*			*	
	IONAL 139B ORBITE			*			*	
	*R CONFIGURATION *			*			*	
	*			*			*	
LARC CFHT 102 LA35 TM-X 71954	- *REYNOLDS NUMBER E*-139 B ORBITER WI*EFFECT OF REYNOLD*FORCE			*0.01 /	*LARC /	*PETER T. BERNOT	*DMS-DR-2127	
	- *FFECTS AT MACH NU*TH VARIOUS CONTRO*S NUMBER ON ORBIT*			*10.3 -	*LARC -	*J. E. VAUGHN	*JULY, 1974	
	/*MBER 10.3 ON AERO*L DEFLECTIONS		*ER AERO. CHARACTE*	*10.3	*CONTINUOUS-FLO*J. E. VAUGHN	*		
	*DYNAMIC		*RISTICS	*	*W HYPERSONIC T*-DMS	*		
	CHARACTERISTICS O			*	*UNNEL	*	*	
	F .01 SCALE 139-B			*		*	*	
	*ORBITER			*		*	*	
	*			*		*	*	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT 747 OA53A CR-134, 114	*INVESTIGATIONS ON*140A/B *AN O.030-SCALE S* /*PACE SHUTTLE VEHI* *CLE CONFIGURATION* *140A/B ORBITER MO* *DEL IN THE AMES R* *ESEARCH CENTER11* *BY11-FOOT SUPER* *SONIC WIND TUNNEL* *(OA53A)	*THE PRIMARY TEST*FORCE *OBJECTIVES ARE T* *O OBTAIN CONFIGUR* *ATION 140 A/B* *STABILITY AND CON* *TROL CHARACTERIST* *ICS, CONTROL SURF* *ACE EFFECTIVENESS* *CONTROL SURFACE H* *INGE MOMENTS, AND* *VERTICAL TAIL PA* *NEL LOADS.	*0.03 / *0.6 - *1.2	*ARC / *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY)	*MARK E. NICHOLS / *RI *M. M. MANN	*DMS-DR-2128 *VOLUME 01 *AUGUST, 1974			
ARC 11TWT 747 OA53A CR-134, 115	*INVESTIGATIONS ON*140A/B *AN O.030-SCALE S* /*PACE SHUTTLE VEHI* *CLE CONFIGURATION* *140A/B ORBITER MO* *DEL IN THE AMES R* *ESEARCH CENTER 11* *-BY11-FOOT SUPER* *SONIC WIND TUNNEL* *(OA53A)	*THE PRIMARY TEST*FORCE *OBJECTIVES ARE T* *O OBTAIN CONFIGUR* *ATION 140A/B* *STABILITY AND CON* *TROL CHARACTERIST* *ICS, CONTROL SURF* *ACE EFFECTIVENESS* *CONTROL SURFACE H* *INGE MOMENTS,AND* *VERTICAL TAIL PAN* *EL LOADS.	*0.03 / *0.6 - *1.2	*ARC / *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY)	*MARK E. NICHOLS / *RI *M. M. MANN	*DMS-DR-2128 *VOLUME 02 *AUGUST, 1974			
ARC 97SWT 716 IA14B CR-141, 522	*AIRLOADS INVESTIG*SSV 140A/B LAUNCH* *ATION OF AN O.030* /*-SCALE MODEL OF T* *HE SPACE SHUTTLE* *VEHICLE 140A/B LA* *UNCH CONFIGURATIO* *N (MODEL 47-OTS)* *IN THE ARC 9- BY* *7-FOOT UNITARY PL* *AN WIND TUNNEL FO* *R MACH 1.55 AND 2* *.2 (IA14B)	*OBTAIN PRESSURE D*PRESSURE *ISTRIBUTIONS ON I*FORCE *NTEGRATED LAUNCH* *VEHICLE. FORCE DA* *TA WERE TAKEN ALS* *O.	*0.030 / *1.55 - *2.2	*ARC / *ARC - *9-FOOT BY 7-FO* *OT SUPERSONIC *L *WIND TUNNEL (U* *NITARY)	*R. L. GILLENS / R* *OCKWELL *E. CHEE / ROCKWEL* *D. A. SARVER *J.T.DAVIET *-DMS	*DMS-DR-2129 *VOLUME 01 *MAY, 1975			

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 97SWT 716 IA14B CR-141,523	*AIRLOADS INVESTIGATION OF AN 0.030 *-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 140A/B LAUNCH CONFIGURATION (MODEL 47-OTS) IN THE ARC 9- BY 7-FOOT UNITARY PLAN WIND TUNNEL FOR MACH 1.55 AND 2.2 (IA14B)	*SSV 140A/B LAUNCH *OBTAIN PRESSURE DISTRIBUTIONS ON INTEGRATED LAUNCH VEHICLE. FORCE DATA WERE TAKEN ALSO.	*PRESSURE D*FORCE	*0.030 / *ARC / *1.55 - *2.2	*ARC / *ARC - *9-FOOT BY 7-FOOT *OT SUPERSONIC *L *WIND TUNNEL (UNITARY)	*R. L. GILLINS / *OCKWELL *E. CHEE / ROCKWELL *D. A. SARVER *J.T.DAVIET *-DMS	*DMS-DR-2129 *VOLUME 02 *MAY, 1975	
ARC 11TWT 716 OA22A CR-141,529	*AIRLOADS INVESTIGATION OF AN 0.030 *-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 140A/B ORBITER CONFIGURATION (MODEL 47-0) IN THE ARC 11-FOOT UNITARY PLAN WIND TUNNEL FOR MACH 0.6 AND 0.9 (OA22A)	*SSV 140A/B ORBITER *OBTAIN PRESSURE DISTRIBUTIONS ON ORBITER ALONE. FORCE DATA WERE ALSO TAKEN.	*PRESSURE D*FORCE	*0.030 / *ARC / *0.6 - *0.9	*ARC / *ARC - *11-FOOT TRANSONIC *NIC WIND TUNNEL (UNITARY)	*R. L. GILLINS / *OCKWELL *F. CHEE / ROCKWELL *D. A. SARVER *J.T.DAVIET *-DMS	*DMS-DR-2130 *MAY, 1975	
ARC 97SWT 716 OA22B CR-141,530	*AIRLOADS INVESTIGATION OF AN 0.030 *-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 140A/B ORBITER CONFIGURATION (MODEL 47-0) IN THE ARC 9- BY 7-FOOT UNITARY PLAN WIND TUNNEL FOR MACH 1.55 AND 2.2 (OA22B)	*SSV 4 140A/B ORBITER *OBTAIN PRESSURE DISTRIBUTIONS ON ORBITER ALONE. FORCE DATA WERE ALSO TAKEN.	*PRESSURE D*FORCE	*0.030 / *ARC / *1.55 - *2.2	*ARC / *ARC - *9-FOOT BY 7-FOOT *OT SUPERSONIC *L *WIND TUNNEL (UNITARY)	*R. L. GILLINS / *OCKWELL *F. CHEE / ROCKWELL *D. A. SARVER *J.T.DAVIET *-DMS	*DMS-DR-2131 *MAY, 1975	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC HWTB 48A LA42 CR-141,535	- *RESULTS OF DYNAMI* - *C STABILITY TESTS* /*CONDUCTED ON A . * *O12 SCALE MODIFIE* *D 089 B SHUTTLE O* *RBITER IN THE AED* *C-VKF TUNNEL B AT* *A MACH NUMBER OF * *8.0 (LA42) *	-089B W/MOD NOSE	*HYPERSONIC DYNAMI* *C STABILITY	*FORCE	*0.012 / *LARC / *8.0 - *AEDC - *8.0 *HYPERSONIC WIN* *D TUNNEL (B) *J.T.DAVIET *-DMS	*DELMAR FREEMAN/LA*	*DMS-DR-2132	*MAY, 1975
LARC CFHT 107 IA58 CR-134,110	- *RESULTS OF TESTS * - *IN THE NASA/LARC * /*31-INCH CFHT ON A * *N 0.010-SCALE MOD* *EL (32-OT) OF THE* *SPACE SHUTTLE CO * *NFIGURATION 3 TO * *OBTAIN HYPERSONIC* *AERODYNAMIC CHAR * *ACTERISTICS FOR S* *ECOND STAGE OPERA* *TION DURING NOMIN* *AL BOOST AND THE * *ABORT RTLS MODE *	*ORBITER *EXTERNAL TANK	*OBTAIN HYPERSONIC* *STABILITY DATA O * *N ORBITER - EXTER* *NAL TANK WITH AND* *WITHOUT PLUME AND* *BEAM	*FORCE	*0.010 / *LARC / *10.3 - *LARC - *10.3 *CONTINUOUS-FLO* *W HYPERSONIC T*D. A. SARVER *UNNEL *V. W. SPARKS *-DMS	*D. E. THORNTON/RI* *T. BLACKSTOCK / N* *ASA/LARC	*DMS-DR-2133	*JULY, 1974
AEDC HWTB VA474 HWTB OA77 OA78 CR-134,429	- *RESULTS OF INVEST* - *IGATIONS (OA77 AN* /*D OA78) ON AN O.O* - *15-SCALE 140A/B C* *ONFIGURATION SPAC* *E SHUTTLE VEHICLE* *ORBITER MODEL 49 * *-O IN THE AEDC VK* *F B AND C WIND TU* *NNELS *	*ORBITER -140A/B C*	*HYPERSONIC STABIL* *ITY AND CONTROL * *CONTROL SURFACE E* *FFECTIVENESS * *REYNOLDS NUMBER E* *FFECTS	*FORCE	*0.015 / *ROCKWELL/ *6.0 1- *AEDC - *0. *HYPERSONIC WIN* *D TUNNEL (B) *M. M. MOSER JR. *HYPERSONIC WIN*-DMS *D TUNNEL (C) *	*R.L. GILLINS/ROCK* *WELL	*DMS-DR-2134	*REVISION 01 *JAN., 1975

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WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC UPWT 1059 IH4 CR-144,608	*AEROHEATING(PRESS*O.010-SCALE VERSI*TO OBTAIN PRESSUR*PRESSURE *URE) CHARACTERIST*ON OF THE VEHICLE*E MEASUREMENTS ON* /*ICS OF A O.010-SC*3 SPACE SHUTTLE *THE LAUNCH CONF *ALE VERSION OF TH*CONFIGURATION *GURATION,ORBITER * *E VEHICLE 3 SPACE* *ALONE,EXTERNAL TA* *SHUTTLE CONFIGUR * *NK ALONE,AND SOLI* *ATION(26-OTS) IN * *D ROCKET BOOSTER * *THE LANGLEY RESEA* *ALONE; ALSO TO OB* *RCH CENTER 4-FOOT* *TAIN HEAT TRANSFE* *WIND TUNNEL(IH4) * *R DATA				*0.010 / *LARC / *2.36 - *LARC - *4.6 *UNITARY PLAN W*D/RI * *IND TUNNEL *R. H. LINDAHL * * *DMS			*B. SPENCER,JR./LA*DMS-DR-2138 *RC, R.B. KINGSLAN*VOLUME 01 *MAY, 1976	
LARC UPWT 1059 IH4 CR-144,609	*AEROHEATING(PRESS*O.010-SCALE VERSI*TO OBTAIN PRESSUR*PRESSURE *URE) CHARACTERIST*ON OF THE VEHICLE*E MEASUREMENTS ON* /*ICS OF A O.010-SC*3 SPACE SHUTTLE *THE LAUNCH CONF *ALE VERSION OF TH*CONFIGURATION *GURATION,ORBITER * *E VEHICLE 3 SPACE* *ALONE,EXTERNAL TA* *SHUTTLE CONFIGUR * *NK ALONE,AND SOLI* *ATION(26-OTS) IN * *D ROCKET BOOSTER * *THE LANGLEY RESEA* *ALONE; ALSO TO OB* *RCH CENTER 4-FOOT* *TAIN HEAT TRANSFE* *WIND TUNNEL(IH4) * *R DATA				*0.010 / *LARC / *2.36 - *LARC - *4.6 *UNITARY PLAN W*D/RI * *IND TUNNEL *R. H. LINDAHL * * *DMS			*B. SPENCER,JR./LA*DMS-DR-2138 *RC, R.B. KINGSLAN*VOLUME 02 *JULY, 1976	
LARC UPWT 1059 IH4 CR-144,610	*AEROHEATING(PRESS*O.010-SCALE VERSI*TO OBTAIN PRESSUR*PRESSURE *URE) CHARACTERIST*ON OF THE VEHICLE*E MEASUREMENTS ON* /*ICS OF A O.010-SC*3 SPACE SHUTTLE *THE LAUNCH CONF *ALE VERSION OF TH*CONFIGURATION *GURATION,ORBITER * *E VEHICLE 3 SPACE* *ALONE,EXTERNAL TA* *SHUTTLE CONFIGUR * *NK ALONE,AND SOLI* *ATION(26-OTS) IN * *D ROCKET BOOSTER * *THE LANGLEY RESEA* *ALONE; ALSO TO OB* *RCH CENTER 4-FOOT* *TAIN HEAT TRANSFE* *WIND TUNNEL(IH4) * *R DATA				*0.010 / *LARC / *2.36 - *LARC - *4.6 *UNITARY PLAN W*D/RI * *IND TUNNEL *R. H. LINDAHL * * *DMS			*B. SPENCER,JR./LA*DMS-DR-2138 *RC, R.B. KINGSLAN*VOLUME 03 *JULY, 1976	

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC UPWT 1059 IH4 CR-144,611	*AEROHEATING(PRESS*O.010-SCALE VERSI*URE) CHARACTERIST*ON OF THE VEHICLE*ICS OF A O.010-SC*3 SPACE SHUTTLE*ALE VERSION OF TH*CONFIGURATION*E VEHICLE 3 SPACE*SHUTTLE CONFIGUR*ATION(26-OTS) IN *THE LANGLEY RESEA*ARCH CENTER 4-FOOT*WIND TUNNEL(IH4) *	*TO OBTAIN PRESSUR*PRESSURE *MEASUREMENTS ON*THE LAUNCH CONFI *GURATION,ORBITER *ALONE,EXTERNAL TA*NK ALONE,AND SOLI*D ROCKET BOOSTER *ALONE; ALSO TO OB*TAIN HEAT TRANSFE*R DATA	*PRESSURE	*O.010 / *2.36 - *4.6	*LARC / *LARC - *UNITARY PLAN W*D/RI *IND TUNNEL	*B. SPENCER, JR./LA*RC, R.B. KINGSLAN*H. LINDAHL *-DMS	*DMS-DR-2138 *VOLUME 04 *JULY, 1976	
NRLAD LSWT 724 OA118 CR-134,407	*EFFECT OF ELEVON *VL70-000140A/B, M*GAP CONFIGURATION*ODEL 43-0 / *S ON THE LONGITUD*INAL AND LATERAL/*DIRECTIONAL STABI*ILITY AND CONTROL *EFFECTIVENESS OF *THE 43-0 SPACE *SHUTTLE ORBITER *(IA60/OA105) *	*ESTABLISH EFFECT *FORCE *OF NEW ELEVON GAP*CONFIG. ON LONGI *TUDINAL AND LAT/ *DIRECT STABILITY *AND CONTROL EFFEC*TIVENESS, MODEL 4*3-0	*FORCE	*O.0405 / *O.20 - *0.26	*RI / *NRLAD - *LOW SPEED WIND*D. E. POUCHER *TUNNEL *-DMS	*TERRANCE HUGHES / *RI *D. E. POUCHER *-DMS	*DMS-DR-2139 *OCT., 1974	
NRLAD LSWT 719 OA37 CR-134,408	*INVESTIGATION OF *140 A/B SPACE SHU*SPACE SHUTTLE ORB*TTLE ORBITER / *ITER SUBSONIC STA*BILITY AND *CONTROL CHARACTER*ISTICS AND DETERM*INATION OF CONTRO*L SURFACE HINGE *MOMENTS IN THE RO*CKWELL INTERNATIO*NAL LOW SPEED WIN*D TUNNEL (OA37) *	*ESTABLISH BASIC L*FORCE *ONGITUDINAL AND L*ATERAL-DIRECTIONA*L STABILITY AND *CONTROL CHARACTER*ISTICS FOR THE BA*SIC CONFIGURATION*PLUS CONTROL *SURFACE HINGE MOM*ENTS	*FORCE	*O.030 / *O.26 - *0.26	*ROCKWELL/ *NRLAD - *LOW SPEED WIND*ONAL *TUNNEL	*TERRANCE HUGHES/R*OCKWELL INTERNATI*W.M. ZEMAN/ROCKWE*LL INTERNATIONAL *D. A. SARVER *G. G. MCDONALD *-DMS	*DMS-DR-2140 *SEPT., 1974	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *RESULTS OF TESTS	*MODEL NO. 29-O/VL	*TO DETERMINE MACH*HEAT-TRANS	*O.0175	/	*AEDC	/	*M. QUAN/RI
HWTB	- *OF A ROCKWELL INT	*70-000139	*NUMBER EFFECTS A	*10.5	-	*AEDC	-	*A. BOUDREAUX/ARO
VA354	/ *ERNATIONAL SPACE	*	*ND TO OBTAIN OVER	*14		*HYPERSONIC WIN	*W. B. MEINDERS	
OH11	*SHUTTLE ORBITER (	*	*ALL HEATING RATE	*		*D TUNNEL (B)	*-DMS	
CR-141,538	*-139 CONFIGURATIO	*	*DATA AT MACH NUMB	*		*	*	
	*N) 0.0175-SCALE M	*	*ERS FROM 10.5 TO	*		*	*	
	*ODEL (NO.29-O) IN	*	*16	*		*	*	
	*THE AEDC TUNNEL.	*	*	*		*	*	
	*F TO DETERMINE HY	*	*	*		*	*	
	*PERSONIC HEATING	*	*	*		*	*	
	*EFFECTS (OH11)	*	*	*		*	*	
	*	*	*	*		*	*	
MSFC	- *DETERMINATION OF	*TITAN III C SRM	*STATIC STABILITY	*FORCE	*.00736	/	*NASA	/
14TWT	- *AERODYNAMIC STABI	*	*AND DRAG ON TITAN	*	*0.6	-	*MSFC	-
587	/ *LITY AND DRAG OF	*	*SRM AT HIGH ANGL	*	*4.96		*14-INCH TRISON	*V. W. SPARKS
FA4	*THE TITAN SRM	*	*ES OF ATTACK	*	*		*IC WIND TUNNEL	*-DMS
CR-134,402	*DURING ENTRY	*	*	*	*		*	*
	*	*	*	*	*		*	*
AEDC	- *AERODYNAMIC RESUL	*INTEGRATED VEHICL	*PROXIMITY EFFECTS	*FORCE	*0.01	/	*AEDC	/
SWTA	- *TS OF WIND TUNNEL	*E- CONFIGURATION	*W AND W/D SEPARA	*	*4.5	-	*AEDC	-
VA422	/ *TESTS ON AN 0.01	*3 LINES	*TION ROCKETS FIRI	*	*4.5		*SUPERSONIC WIN	*J. E. VAUGHN
IA61A	*O-SCALE MODEL (32	*	*NG	*	*		*D TUNNEL (A)	*-DMS
CR-144,587	*-OTS) SPACE SHUTT	*	*	*	*		*	*
	*LE INTEGRATED VEH	*	*	*	*		*	*
	*ICLE IN THE AEDC	*	*	*	*		*	*
	*VKF 40-INCH SUPER	*	*	*	*		*	*
	*SONIC WIND TUNNEL	*	*	*	*		*	*
	*	*	*	*	*		*	*
NRLAD	- *AN INVESTIGATION	*LAUNCH CONFIGURAT	*DETERMINE TRANSON	*PRESSURE	*0.004	/	*R.I.	/
7TWT	- *OF THE SUPPORT IN	*ION	*IC AND SUPERSONIC	*FORCE	*0.9	-	*NRLAD	-
281	/ *TERFERENCE EFFECT	*	*CHARACTERISTICS	*	*2.0		*7-FOOT TRISONI	*L
IA68	*S OF THE SSV	*	*OF MODEL 13P-OTS	*	*		*C WIND TUNNEL	*D. A. SARVER
CR-134,427	*MODEL 13P-OTS IN	*	*SUPPORT INTERFERE	*	*		*V. W. SPARKS	*
	*THE TRANSONIC AND	*	*NCE EFFECTS	*	*		*-DMS	*
	*SUPERSONIC FLOW	*	*	*	*		*	*
	*REGIMES	*	*	*	*		*	*
	*	*	*	*	*		*	*

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH	SCALE RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC 14TWT 583 TA1F CR-134,420	- *AN INVESTIGATION *TO DETERMINE THE /*STATIC STABILITY *DURING RE-ENTRY *OF THE 0.003-SCALE	*EXTERNAL TANK WITH *H PROTUBERANCES *EXTERNAL TANK WITH *HOUT PROTUBERANCE *AT RE-ENTRY CONDI *E MCR 0200 BASELI *NE SPACE SHUTTLE *EXTERNAL TANK *MODEL	*OBTAIN FORCE AND *MOMENT STATIC STA *BILITY DATA FOR T *HE EXTERNAL TANK *RE-ENTRY CONDI *TIONS	*FORCE	*0.003 / *1.96 - *4.96	/*MSFC / /*NC / /*MSFC -	/*M.K. ROBERTSON / /*NORTHROP SERVICES /*INC. *14-INCH TRISON *IC WIND TUNNEL	/*DMS-DR-2145 *OCT., 1974 *P.E. RAMSEY / NAS *A-MSFC *V. W. SPARKS *V. W. SPARKS *-DMS	
LARC 26TBT 547 IS4 CR-134,092	- *FLUTTER TESTS (IS-30-OTS *4) OF THE 0.0125- /*SCALE SHUTTLE REF *LECTION PLANE MOD *EL 30-OTS IN THE *LANGLEY RESEARCH *CENTER 26-INCH TR *ANSONIC BLOWDOWN *TUNNEL TEST NO. 5 *47		*TO ISOLATE THE EF *FECTS OF INTERFER *ING AERODYNAMICS *GENERATED BY THE *ORBITER, TANK, AN *D SRB ON THE WING *FLUTTER BOUNDARY	*STRUCT-DYN*	*0.0125 / *0.6 - *1.45	/*LARC / /*LARC - *26-INCH TRANSO *NIC BLOWDOWN T *UNNEL	/*M.A. KOTCH /RI - /*R.W. HESS /LARC *D. A. SARVER *M. M. MOSER JR. *-DMS	*DMS-DR-2146 *APRIL, 1974 *M. M. MOSER JR. *-DMS	
LARC UPWT 1057 OA20C CR-134,097	- *RESULTS OF INVEST *IGATIONS (OA20C) R /*ON AN 0.015-SCALE *CONFIGURATION *140A/B SPACE SHUT *TLE VEHICLE ORBIT *ER MODEL (49-0) I *N THE *NASA/LANGLEY RESE *ARCH CENTER UNITA *RY PLAN WIND TUNN *EL	*140A/B SSV ORBITE *DEFINE ADDITIONAL *LONGITUDINAL STA *BILITY AND CONTRO *L CHARACTERISTICS *FOR THE UPDATED S *SV CONFIGURATION *NOT OBTAINED IN O *A20A TESTS.	*FORCE		*0.015 / *2.5 - *4.6	/*LARC / /*LARC - *UNITARY PLAN W *IND TUNNEL	/*J.H. CAMPBELL, II/R /*OCKWELL INTERNATI *B. SPENCER / NASA *LARC *M. M. MANN *-DMS	*DMS-DR-2147 *MAY, 1974 *B. SPENCER / NASA *LARC *M. M. MANN *-DMS	

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 3.5HWT 185 IH20 CR-134,440	- *HYPERSONIC AEROHE* - *ATING TEST OF SPA* /*CE SHUTTLE VEHICL* *E CONFIGURATION 3* (MODEL 22-OTS) I *	*22-OTS	*TEMPERATURE MEASU* *HEAT-TRANS* *REMENTS	*0.0175 /	*ARC /	*R. B. KINGSLAND, R*	*DMS-DR-2148	
				*5.3 -	*ARC -	*OCKWELL	*VOLUME 01	
				*7.3		*3.5-FOOT HYPER*W. K. LOCKMAN, AME*	*JUNE, 1975	
						*SONIC WIND TUN*S		
						*NEL	*B. J. FRICKEN	
						*-DMS		
ARC 3.5HWT 185 IH20 CR-134,441	- *HYPERSONIC AEROHE* - *ATING TEST OF SPA* /*CE SHUTTLE VEHICL* *E CONFIGURATION 3* (MODEL 22-OTS) I *	*22-OTS	*TEMPERATURE MEASU* *HEAT-TRANS* *REMENTS	*0.0175 /	*ARC /	*R. B. KINGSLAND, R*	*DMS-DR-2148	
				*5.3 -	*ARC -	*OCKWELL	*VOLUME 02	
				*7.3		*3.5-FOOT HYPER*W. K. LOCKMAN, AME*	*JUNE, 1975	
						*SONIC WIND TUN*S		
						*NEL	*B. J. FRICKEN	
						*-DMS		
LARC CFHT 110 OA90 CR-141,805	- *RESULTS OF INVEST* - *IGATIONS ON A O.O* /*10-SCALE 140A/B C* *ONFIGURATION SPAC* *E SHUTTLE VEHICLE* *ORBITER MODEL 72* *O IN THE NASA/LA* *NGLEY RESEARCH CE* *NTER CONTINUOUS F* *LOW HYPERSONIC TU* *NNEL (OA90)	*CONFIG. 4 (-140A/ *B) MODEL 72-0	*HYPERSONIC STABIL* *FORCE *ITY AND CONTROL	*0.01 /	*ROCKWELL/ *LARC -	*P.J. HAWTHORNE / R*	*DMS-DR-2149	
				*10.3 -		*OCKWELL	*AUGUST, 1975	
						*CONTINUOUS-FLO*P.T. BERNOT / NASA*		
						W HYPERSONIC T-LARC		
						*UNNEL	*J. E. VAUGHN	
							*J. E. VAUGHN	
						*-DMS		
LARC UPWT 1087 SA25F CR-141,511	- *AN INVESTIGATION * - *OF HIGH MACH NUMB* /*ER STATIC STABIL* *TY CHARACTERISTIC* *S FOR A LARGE SCA* *LE SOLID ROCKET B* *OOSTER	*SRB	*OBTAIN HIGH MACH * *FORCE *NUMBER STATIC STA* *BILITY DATA ON A * *LARGE SCALE SRB	*0.02112 /	*MSFC /	*J. JOHNSON / NASA*	*DMS-DR-2150	
				*2.3 -	*NSI /	*-LARC	*MARCH, 1975	
				*4.63		*W. F. BRADDOCK/NS*		
						*UNITARY PLAN W*I		
						*IND TUNNEL	*V. W. SPARKS	
							*D.B. WATSON	
						*-DMS		

[illegible]

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *HEAT TRANSFER TES	*MODEL 29-0	*TO DETERMINE EFFE	*FORCE	*8	-	*AEDC /	*M. QUAN AND J. W.	*DMS-DR-2154
HWTB	- *TS OF A O.0175-SC		*CT OF WALL TEMPER		*8		*AEDC -	*FOUST/RI	*JAN., 1975
VA352	/*ALE SPACE SHUTTLE*		*ATURE ON THE POIN		*		*HYPERSONIC WIN	*W. R. MARTINDALE/	
OH4A	*ORBITER MODEL (2 *		*T OF BOUNDARY LAY		*		*D TUNNEL (B)	*ARO	
CR-134,437	*9-0) TO DETERMINE*		*ER TRANSITION		*			*B. W. MYERS	
	*THE EFFECT OF SU *				*			*-DMS	
	RFACE TEMPERATURE				*				
	*ON BOUNDARY LAYE *				*				
	R TRANSITION AT M				*				
	ACH 8.0 IN THE AE				*				
	DC VKF TUNNEL B (*				
	*TEST OH4A)				*				
	*				*				
NRLAD	- *STABILITY AND CON	*B61C11F12M51W124E	*ESTABLISH BASIC L	*FORCE	*0.0405	/	*NRLAD /	*TERRANCE HUGHES A	*DMS-DR-2155
LSWT	- *TROL CHARACTERIST	*40	*ONGITUDINAL AND L		*0.12	-	*NRLAD -	*ND ROBERT ROGGE /	*SEPT., 1974
721	/*ICS FOR THE INNER*		*ATERAL-DIRECTIONA		*0.20		*LOW SPEED WIND	*RI	
OA110	*MOLD LINE		*L STABILITY AND		*		*TUNNEL	*D. E. POUCHER	
CR-134,406	*CONFIGURATION OF *		*CONTROL FOR THE I		*			*-DMS	
	SPACE SHUTTLE ORB		*ML ORBITER		*				
	*ITER(OA110)				*				
	*				*				
AEDC	- *RESULTS OF AN EXT	*ORBITER WITH ET	*DETERMINE EFFECTS	*FORCE	*0.01	/	*ROCKWELL/	*R.H. SPANGLER/	RO*DMS-DR-2156
HWTB	- *ERNAL TANK SEPARA	*EPARATING	*OF EXTERNAL TANK		*5.93	-	*AEDC -	*CKWELL	*VOLUME 01
VA422	/*TION TEST IN THE	*ISOLATED ORBITER	*SEPARATING FROM		*7.98		*HYPERSONIC WIN	*J.J. DAILED A /	RO*AUGUST, 1975
IA17A	*AEDC/VKF TUNNEL B	*ISOLATED ET	*ORBITER		*		*D TUNNEL (B)	*CKWELL	
CR-141,797	*ON AN O.010 SCALE*				*			*J. E. VAUGHN	
	*REPLICA OF THE S *				*			*J.T.DAVIET	
	PACE SHUTTLE VEHI				*			*-DMS	
	CLE (MODEL 52-JT)				*				
	*IA17A				*				
	*				*				
AEDC	- *RESULTS OF AN EXT	*ORBITER WITH ET	*DETERMINE EFFECTS	*FORCE	*0.01	/	*ROCKWELL/	*R.H. SPANGLER/	RO*DMS-DR-2156
HWTB	- *ERNAL TANK SEPARA	*EPARATING	*OF EXTERNAL TANK		*5.93	-	*AEDC -	*CKWELL	*VOLUME 02
VA422	/*TING TEST IN THE	*ISOLATED ORBITER	*SEPARATING FROM		*7.98		*HYPERSONIC WIN	*J.J. DAILED A /	RO*AUGUST, 1975
IA17A	*AEDC/VKF TUNNEL B	*ISOLATED ET	*ORBITER		*		*D TUNNEL (B)	*CKWELL	
CR-141,798	*ON AN O.010 SCALE*				*			*J. E. VAUGHN	
	*REPLICA OF THE S *				*			*J.T.DAVIET	
	PACE SHUTTLE VEHI				*			*-DMS	
	CLE (MODEL 52-OT)				*				
	*IA17A				*				
	*				*				

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *RESULTS OF AN EXT*ORBITER WITH ET	S*	DETERMINE EFFECTS*	FORCE	* 0.01 /	*ROCKWELL/	*R.H. SPANGLER/	RO*DMS-DR-2156
HWTB	- *ERNAL TANK SEPARA*EPARATING	*OF EXTERNAL TANK *			*5.93 -	*AEDC -	*CKWELL	*VOLUME 03
VA422	/*TION TEST IN THE *ISOLATED ORBITER	*SEPARATING FROM *			*7.98	*HYPERSONIC WIN*	J.J. DAILED /	RO*AUGUST, 1975
IA17A	*AEDC/VKF TUNNEL B*ISOLATED ET	*ORBITER			*	*D TUNNEL (B)	*CKWELL	*
CR-141,799	*ON AN 0.010 SCALE*	*			*		*J. E. VAUGHN	*
	*REPLICA OF THE S *	*			*		*J.T.DAVIET	*
	PACE SHUTTLE VEHI	*			*		*-DMS	*
	CLE (MODEL 52-OT)	*			*		*	*
	*IA17A	*			*		*	*
LARC	- *HEAT TRANSFER TES*ORBITER WITH EXTE	*ORBITER/EXTERNAL *	HEAT-TRANS*	19.8 -	*NASA /	*D.G. WALSTAD/R.I.		*DMS-DR-2157
HNT	- *TS OF AN 0.006-SC*RNAL TANK	*TANK ASCENT HEATI*			*19.8	*LARC -	*D. A. SARVER	*DEC., 1975
28	/*ALE THIN SKIN SPA*ORBITER	*NG			*	*HYPERSONIC NIT*	W. B. MEINDERS	*
IH19	*CE SHUTTLE MODEL *EXTERNAL TANK	*			*	*ROGEN TUNNEL	*-DMS	*
CR-141,822	*(50-0, 41-T) IN*	*			*		*	*
	*THE LANGLEY RESE *	*			*		*	*
	ARCH CENTER NITRO	*			*		*	*
	GEN TUNNEL AT MAC	*			*		*	*
	*H 19	*			*		*	*
MSFC	- *FLOW VISUALIZATIO*O13, T9, S7	*TO OBTAIN FLOW VI*	STRUCT-DYN*	.6 -	*ROCKWELL/	*P. J. HAWTHORNE/R*		*DMS-DR-2158
14TWT	- *N TESTS OF A 0.00*	*SUALIZATION PHOTO*			*3.48	*MSFC -	*I	*OCT., 1976
582	/*4-SCALE SPACE SHU*	*S TO HELP INTERPR*			*	*14-INCH TRISON*	G. STREBY/NSI	*
IS6A	*TTLE VEHICLE 2A M*	*ET IS1 AERO-NOISE*			*	*IC WIND TUNNEL*	D. A. SARVER	*
CR-147,640	*ODEL (NO. 13-OTS)*	*DATA			*		*M. M. MOSER JR.	*
	*IN THE MSFC 14-I *	*			*		*-DMS	*
	NCH TRISONIC WIND	*			*		*	*
	*TUNNEL	*			*		*	*
	*	*			*		*	*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	MACH. RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 66SWT 709 OA59 CR-134,410	*AERODYNAMIC RESUL* *TS OF SUPPORT SYS* /*TEM EFFECTS TESTS* *CONDUCTED IN * *NASA/ARC 6-BY 6FO* *OT SUPERSONIC WIN* *D TUNNEL USING A * *O.015-SCALE * *MODEL OF THE CONF* *IGURATION 140A/B * *SSV ORBITER (OA59* *)	*140 A/B SSV ORBIT* *OF STING BASE MO * *UNTING WITH AND W* *ITHOUT MPS NOZZLE* *S * * * * * * * * * * * * * * * * *	*DETERMINE EFFECTS* *OF STING BASE MO * *UNTING WITH AND W* *ITHOUT MPS NOZZLE* *S * * * * * * * * * * * * * * *	*FORCE * * * * * * * * * * * * * * * * * * * * *	* 0.015 / * *0.6 - * *2.0 * * * * * * * * * * * * * * * * * * *	*ROCKWELL/ * *ARC - * *6-FOOT BY 6-FO* *OT SUPERSONIC * *WIND TUNNEL * * * * * * * * * * * * * * *	*JOHN H. CAMPBELL, * *RI, AND WILLARD R. * *EMBURY, RI * *D. A. SARVER * *G. G. MCDONALD * *-DMS * * * * * * * * * * *	*DMS-DR-2159 * *VOLUME 01 * *OCT., 1974 * * * * * * * * * * * * * * * * *	
ARC 66SWT 709 OA59 CR-134,412	*AERODYNAMIC RESUL* *TS OF SUPPORT SYS* /*TEM EFFECTS TESTS* *CONDUCTED IN * *NASA/ARC 6-BY-6 F* *OOT SUPERSONIC WI* *ND TUNNEL USING A * *O.015 -SCALE * *MODEL OF THE CONF* *IGURATION 140A/B * *SSV ORBITER (OA59* *)	*140 A/B SSV ORBIT* *OF STING BASE MO * *UNTING WITH AND W* *ITHOUT MPS NOZZLE* *S * * * * * * * * * * * * * * *	*DETERMINE EFFECTS* *OF STING BASE MO * *UNTING WITH AND W* *ITHOUT MPS NOZZLE* *S * * * * * * * * * * * * * * *	*FORCE * * * * * * * * * * * * * * * * * * * * *	* 0.015 / * *0.6 - * *2.0 * * * * * * * * * * * * * * * * * * *	*ROCKWELL/ * *ARC - * *6-FOOT BY 6-FO* *OT SUPERSONIC * *WIND TUNNEL * * * * * * * * * * * * * * *	*JOHN H. CAMPBELL, * *RI, AND WILLARD * *R. EMBURY, RI * *D. A. SARVER * *G. G. MCDONALD * *-DMS * * * * * * * * * * *	*DMS-DR-2159 * *VOLUME 02 * *OCT., 1974 * * * * * * * * * * * * * * * * *	
ARC 3.5HWT 191 IA18 CR-134,413	*WIND TUNNEL TESTS* *OF THE 0.010-SCA * /*LE SPACE SHUTTLE * *INTEGRATED VEHICL* *E IN THE NASA/AME* *S 3.5 FOOT HYPERS* *ONIC WIND TUNNEL * *(IA18)	*52-OT * *ET ALONE * * * * * * * * * * * * * * *	*TO EVALUATE BASIC* *HYPERSONIC STABI * *LITY CHAR. OF ORB* *ITER ATTACHED RIG* * * * * * * * * * *	*FORCE * * * * * * * * * * * * * * * * *	*0.010 / * *5.3 - * *10.3 * * * * * * * * * * * * *	*ARC / * *ARC - * *3.5-FOOT HYPER* *SONIC WIND TUN* *NEL * * * * * * * * *	*V. ESPARZA, E. CH * *EE/ROCKWELL INTER* *NATIONAL * * * * * * * * * * * * *	*DMS-DR-2160 * *MARCH, 1975 * * * * * * * * * * * * * * *	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LERC 10SWT 035 SA6F CR-134,422	*AERODYNAMIC CHARA*SRB-BODY ALONE *CTERISTICS OF MSF*SRB-BODY WITH PRO /*C MODEL 454 OF TH*TURBANCES *E 142 INCH SOLID * *ROCKET BOOSTER TE*	*SRB-BODY ALONE *SRB-BODY WITH PRO *C MODEL 454 OF TH *E 142 INCH SOLID *ROCKET BOOSTER TE	*STATIC STABILITY *FORCE *AND CONTROL DURIN* *G TUMBLING RE-ENT* *RY	*FORCE	*0.0211 / *2.0 - *2.7	LERC / LERC - 10 BY 10-FOOT	DUANE RADFORD/NSI PAUL RAMSEY/NASA- MSFC	*DMS-DR-2161 *FEB., 1975	
ARC 3.5HWT 187 OA36 CR-134,430	*RESULTS OF INVEST*140 A/B, VEHICLE *IGATIONS ON AN O.*4 /*015-SCALE 140A/B * *CONFIGURATION OF * *THE ROCKWELL INTE*	*140 A/B, VEHICLE *IGATIONS ON AN O.*4 /*015-SCALE 140A/B *CONFIGURATION OF *THE ROCKWELL INTE	*TO VERIFY SUPERSO*FORCE *NIC STABILITY AND* *CONTROL CHAR. OF * *VEHICLE 4, ANALY * *ZE AERODYNAMIC PR*	*FORCE	*0.015 / *5.3 - *10.3	ARC / ARC - 3.5-FOOT HYPER*L	M. D. MILAM, R. L. GILLINS/ROCKWEL* INTERNATIONAL	*DMS-DR-2162 *NOV., 1974	
LARC UPWT 1097 OA20B CR-134,403	*AERODYNAMIC RESUL*140A/B *TS OF A SUPPORT S* /*SYSTEM INTERFERENC* *E EFFECTS TEST CO* *NDUCTED AT NASA/L*	*140A/B *TS OF A SUPPORT S* /*SYSTEM INTERFERENC* *E EFFECTS TEST CO* *NDUCTED AT NASA/L*	*THE PRIMARY OBJEC*FORCE *TIVE OF THIS TEST* *WAS TO DETERMINE * *THE EXTENT * *AERODYNAMIC SIMUL* *ATION IS AFFECTED* *BY BASE MOUNTING * *AN ORBITER MODEL * *WITHOUT MPS NOZZL* *ES, ON A STRAIGHT* *STING.	*FORCE	*0.015 / *2.5 - *4.63	LARC / LARC - UNITARY PLAN W*W.R. EMBURY / R* IND TUNNEL	J.H. CAMPBELL / R* I M. M. MANN DMS	*DMS-DR-2163 *SEPT., 1974	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
CALSPAN - 48HST	*HEAT TRANSFER TES*MODEL 37-OT (CONF*TO DETERMINE ASCE*HEAT-TRANS*				*0.01 / *6.95 -	*ROCKWELL/	*ED HEUSTIS/CALSPA	*DMS-DR-2164
173-100	*TS ON A 0.01-SCAL*IG. 3 ORB AND ET)*NT AND ENTRY HEAT*					*CALSPAN -	*N CORP.	*VOLUME 01
OH12	*E ROCKWELL CONFIG*CONFIGURATION 3 O*TRANSFER RATES O *				*19.5	*48-INCH HYPERS*	*M. KOTCH/ R. I.	*JAN., 1976
IH21	*URATION 3 SPACE S*RBITER		*VER A RANGE OF MA*			*ONIC SHOCK TUN*	*D. A. SARVER	
CR-141,828	*HUTTLE ORBITER AN*EXTERNAL TANK		*CH NO. AND REYNOL*			*NEL	*W. B. MEINDERS	
	*D TANK (37-OT)IN *		*DS NO. OF PARTICU*				*-DMS	
	THE CALSPAN 48-IN		*LAR INTEREST WAS *					
	*CH HYPERSONIC SH *		*ORBITER WING LEAD*					
	OCK TUNNEL (OH12/		*ING EDGE HEATING *					
	*IH21)		*DURING ENTRY					
	*		*					
CALSPAN - 48HST	*HEAT TRANSFER TES*MODEL 37-OT (CONF*TO DETERMINE ASCE*HEAT-TRANS*				*6.95 -	*ROCKWELL/	*ED HEUSTIS/CALSPA	*DMS-DR-2164
173-100	*TS ON A 0.01-SCAL*IG. 3 ORB AND ET)*NT AND ENTRY HEAT*				*19.5	*CALSPAN -	*N CORP.	*VOLUME 02
OH12	*E ROCKWELL CONFIG*CONFIGURATION 3 O*TRANSFER RATES O *					*48-INCH HYPERS*	*M. KOTCH/ R. I.	*JAN., 1976
IH21	*URATION 3 SPACE S*RBITER		*VER A RANGE OF MA*			*ONIC SHOCK TUN*	*W. B. MEINDERS	
CR-141,829	*HUTTLE ORBITER AN*EXTERNAL TANK		*CH NO. AND REYNOL*			*NEL	*-DMS	
	*D TANK (37-OT)IN *		*DS NO. OF PARTICU*					
	THE CALSPAN 48-IN		*LAR INTEREST WAS *					
	*CH HYPERSONIC SH *		*ORBITER WING LEAD*					
	OCK TUNNEL (OH12/		*ING EDGE HEATING *					
	*IH21)		*DURING ENTRY					
	*		*					
CALSPAN - 48HST	*HEAT TRANSFER TES*MODEL 37-OT (CONF*TO DETERMINE ASCE*HEAT-TRANS*				*0.01 / *6.95 -	*ROCKWELL/	*ED HEUSTIS/CALSPA	*DMS-DR-2164
173-100	*TS ON A 0.01-SCAL*IG. 3 ORB AND ET)*NT AND ENTRY HEAT*				*19.5	*CALSPAN -	*N CORP.	*VOLUME 03
OH12	*E ROCKWELL CONFIG*CONFIGURATION 3 O*TRANSFER RATES O *					*48-INCH HYPERS*	*M. KOTCH/ R. I.	*DEC., 1975
IH21	*URATION 3 SPACE S*RBITER		*VER A RANGE OF MA*			*ONIC SHOCK TUN*	*D. A. SARVER	
CR-141,830	*HUTTLE ORBITER AN*EXTERNAL TANK		*CH NO. AND REYNOL*			*NEL	*W. B. MEINDERS	
	*D TANK (37-OT)IN *		*DS NO. OF PARTICU*				*-DMS	
	THE CALSPAN 48-IN		*LAR INTEREST WAS *					
	*CH HYPERSONIC SH *		*ORBITER WING LEAD*					
	OCK TUNNEL (OH12/		*ING EDGE HEATING *					
	*IH21)		*DURING ENTRY					
	*		*					

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC 14TWT 596	*RESULTS OF AN INV*EXTERNAL TANK WIT*DETERMINE STATIC *PRESSURE	*O.003-SCALE SPACE*TUBERANCES,O.003	*TIONS ON MODIFIED*	*0.003 / *MSFC /	*P.E. RAMSEY / MSF	DMS-DR-2165		
TA2F	*SHUTTLE EXTERNAL *SCALE	*MCR 0200		*1.96 - *MSFC -	*C	*VOLUME 01		
CR-141,823	*TANK (MSFC MODEL *460) IN THE NASA/*	*EXTERNAL TANK		*4.96	*14-INCH TRISON*	G.W. WINKLER / NS	DEC., 1975	
	MSFC 14 X 14-INCH				*IC WIND TUNNEL*	I		
	*TRISONIC WIND TU *					*V. W. SPARKS		
	NNEL TO DETERMINE					*D. E. POUCHER		
	*STATIC PRESSURE *					*-DMS		
	DISTRIBUTIONS DU							
	RING REENTRY (TA2							
	*F)							
	*							
MSFC 14TWT 596	*RESULTS OF AN INV*EXTERNAL TANK WIT*DETERMINE STATIC *PRESSURE	*O.003-SCALE SPACE*TUBERANCES,O.003	*TIONS ON MODIFIED*	*0.003 / *MSFC /	*P.E. RAMSEY / MSF	DMS-DR-2165		
TA2F	*SHUTTLE EXTERNAL *SCALE	*MCR 0200		*1.96 - *MSFC -	*C	*VOLUME 02		
CR-141,824	*TANK (MSFC MODEL *460) IN THE NASA/*	*EXTERNAL TANK		*4.96	*14-INCH TRISON*	G.W. WINKLER / NS	DEC., 1975	
	MSFC 14 X 14-INCH				*IC WIND TUNNEL*	I		
	*TRISONIC WIND TU *					*V. W. SPARKS		
	NNEL TO DETERMINE					*D. E. POUCHER		
	*STATIC PRESSURE *					*-DMS		
	DISTRIBUTIONS DU							
	RING REENTRY (TA2							
	*F)							
	*							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC 14TWT 596 TA2F CR-141,825	- *RESULTS OF AN INV*EXTERNAL TANK WIT*ESTIGATION OF AN *H AND WITHOUT PRO*O.003-SCALE SPACE*TUBERANCES,O.003*SHUTTLE EXTERNAL *SCALE*TANK (MSFC MODEL *460) IN THE NASA/*MSFC 14 X 14-INCH*TRISONIC WIND TU *NNEL TO DETERMINE*STATIC PRESSURE *DISTRIBUTIONS DU*RING REENTRY (TA2*F)	*EXTERNAL TANK WIT*PRESSURE DISTRIBUTIONS ON MODIFIED*MCR 0200*EXTERNAL TANK	*DETERMINE STATIC *PRESSURE	*TYPE OF TEST	*0.003 / *1.96 - *4.96	MSFC / MSFC - *14-INCH TRISON*IC WIND TUNNEL	*P.E. RAMSEY / *C *G.W. WINKLER / *V. W. SPARKS *D. E. POUCHER *-DMS	MSF*DMS-DR-2165 *VOLUME 03 *NS*DEC., 1975
MSFC 14TWT 596 TA2F CR-141,826	- *RESULTS OF AN INV*EXTERNAL TANK WIT*ESTIGATION OF AN *H AND WITHOUT PRO*O.003-SCALE SPACE*TUBERANCES,O.003*SHUTTLE EXTERNAL *SCALE*TANK (MSFC MODEL *460) IN THE NASA/*MSFC 14 X 14-INCH*TRISONIC WIND TU *NNEL TO DETERMINE*STATIC PRESSURE *DISTRIBUTIONS DU*RING REENTRY (TA2*F)	*EXTERNAL TANK WIT*PRESSURE DISTRIBUTIONS ON MODIFIED*MCR 0200*EXTERNAL TANK	*DETERMINE STATIC *PRESSURE	*TYPE OF TEST	*0.003 / *1.96 - *4.96	MSFC / MSFC - *14-INCH TRISON*IC WIND TUNNEL	*P.E. RAMSEY / *C *G.W. WINKLER / *V. W. SPARKS *D. E. POUCHER *-DMS	MSF*DMS-DR-2165 *VOLUME 04 *NS*JAN., 1976

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC 14TWT	- *RESULTS OF AN INV*EXTERNAL TANK WIT*DETERMINE STATIC *PRESSURE	*EXTERNAL TANK	*DETERMINE STATIC *PRESSURE	*PRESSURE	*0.003 / *MSFC /	*P.E. RAMSEY / MSF	DMS-DR-2165	
596	- *ESTIGATION OF AN *H AND WITHOUT PRO*PRESSURE DISTRIBU*	*H AND WITHOUT PRO*PRESSURE DISTRIBU*	*PRESSURE DISTRIBU*	*PRESSURE	*1.96 - *MSFC -	*C	*VOLUME 05	
TA2F	/*0.003-SCALE SPACE*TUBERANCES,O.003 *TIONS ON MODIFIED*	*TIONS ON MODIFIED*	*TIONS ON MODIFIED*	*TIONS ON MODIFIED*	*4.96 *14-INCH TRISON*	G.W. WINKLER / NS	DEC., 1975	
CR-141,827	*SHUTTLE EXTERNAL *SCALE	*MCR 0200	*MCR 0200	*MCR 0200	*IC WIND TUNNEL*I			
	*TANK (MSFC MODEL *	*EXTERNAL TANK	*EXTERNAL TANK	*EXTERNAL TANK		V. W. SPARKS		
	460) IN THE NASA/					D. E. POUCHER		
	MSFC 14 X 14-INCH					-DMS		
	*TRISONIC WIND TU *							
	NNEL TO DETERMINE							
	*STATIC PRESSURE *							
	DISTRIBUTIONS DU							
	RING REENTRY (TA2							
	*F)							
	*							
LARC 1041	- *HEAT TRANSFER TES*ORB.+ET+SRB	*TO INVESTIGATE PA*HEAT-TRANS*	*TO INVESTIGATE PA*HEAT-TRANS*	*HEAT-TRANS*	3.7 - *RI /	D.G. WALSTAD/RI	DMS-DR-2166	
IH16	- *TS OF AN 0.006 SC*ET	*RAMETRICALLY THE *	*RAMETRICALLY THE *	*RAMETRICALLY THE *	3.7 *LARC -	R.L. STALLINGS/LA	JULY, 1975	
CR-141,534	/*ALE THIN-SKIN SPA*SRB	*ASCENT HEATING OF*	*ASCENT HEATING OF*	*ASCENT HEATING OF*	*UNITARY PLAN W*RC			
	*CE SHUTTLE THERMO*ORB	*THE INTEGRATED *	*THE INTEGRATED *	*THE INTEGRATED *	*IND TUNNEL	J.T.DAVIET		
	COUPLE MODEL (41-	*VEHICLE	*VEHICLE	*VEHICLE		-DMS		
	OTS) IN THE LANGL							
	EY RESEARCH CENTE							
	R UNITARY PLAN WI							
	ND TUNNEL AT M=3.							
	*7 (IH16)							
	*							
ARC 3.5HWT	- *RESULTS OF AN INV*140A/B	*OBTAIN INCREMENTA*FORCE	*OBTAIN INCREMENTA*FORCE	*FORCE	0.015 / *ROCKWELL/	M. D. MILAM AND R	DMS-DR-2167	
190	- *ESTIGATION ON AN *	*L DATA ON THE EFF*	*L DATA ON THE EFF*	*L DATA ON THE EFF*	5.3 - *ARC -	L. GILLINS/ROCK	AUGUST, 1975	
OA98	/*0.015-SCALE MODEL*	*ECTS OF A STING M*	*ECTS OF A STING M*	*ECTS OF A STING M*	10.3 *3.5-FOOT HYPER*	WELL INTERNATIONAL*		
CR-141,550	*(49-O) OF THE ROC*	*OUNT ON BASE PRES*	*OUNT ON BASE PRES*	*OUNT ON BASE PRES*	*SONIC WIND TUN*L			
	KWELL INTERNATIONAL	*SURES AND FORCE A*	*SURES AND FORCE A*	*SURES AND FORCE A*	*NEL	J. CLEARY/NASA AM		
	*AL SPACE SHUTTLE *	*ND MOMENT DATA WI*	*ND MOMENT DATA WI*	*ND MOMENT DATA WI*		ES		
	ORBITER IN THE NA	*TH VARIOUS SURFAC*	*TH VARIOUS SURFAC*	*TH VARIOUS SURFAC*		D. A. SARVER		
	*SA AMES RESEARCH *	*E DEFLECTIONS	*E DEFLECTIONS	*E DEFLECTIONS		G. G. MCDONALD		
	CENTER 3.5-FOOT H					-DMS		
	YPersonic WIND TU							
	*NNEL (OA98)							
	*							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 97 LA32 TM-X 71945	- *HEAT TRANSFER TO *SURFACE AND GAPS *OF RSI TILE ARRAY *S IN TURBULENT FL *OW AT MACH 10.3 *	*THERMAL PROTECTIO *N SYSTEM	*TO BETTER DEFINE *THE HEATING WHICH *THE TILE SURFACE *AND GAP WALLS WI *LL EXPERIENCE; TI *LES ARE PART OF T *PS	*HEAT-TRANS	*1.0 / *10.3 - *10.3	/*LARC / *CONTINUOUS-FLO *W HYPERSONIC T *UNNEL	*DAVID A. THROCKMO *RTON/LARC *M. M. MOSER JR. *-DMS	*DMS-DR-2168 *MAY, 1974
ARC 111TWT 019 IA81A CR-141,836	- *RESULTS OF A PRES *SURE LOADS INVEST *IGATION ON A 0.03 *O-SCALE MODEL (47 *OTS) OF THE INTE *GRATED SPACE SHUT *TLE VEHICLE CONFI *GURATION 5 IN THE *NASA AMES RESEARC *H CENTER 11 X 11 *FOOT LEG OF THE U *NITARY PLAN WIND *TUNNEL (IA81A) VO *LUME 1 OF 7 *	LAUNCH VEHICLE 5	*TO OBTAIN PRESSUR *E DISTRIBUTIONS, *FORCE DATA, AND H *INGE MOMENTS *ON THE INTEGRATED *LAUNCH VEHICLE	*PRESSURE	*0.03 / *0.6 - *2.5	/*ARC / *11-FOOT TRANSO *NIC WIND TUNNE *L (UNITARY)	*T. J. DZIUBALA, E *CHEE, M. D. MIL *M. M. MANN *-DMS	*DMS-DR-2169 *VOLUME 01 *JAN., 1976
ARC 111TWT 019 IA81A CR-141,837	- *RESULTS OF A PRES *SURE LOADS INVEST *IGATION ON A 0.03 *O-SCALE MODEL (47 *OTS) OF THE INTE *GRATED SPACE SHUT *TLE VEHICLE CONFI *GURATION 5 IN THE *NASA AMES RESEARC *H CENTER 11 X 11 *FOOT LEG OF THE U *NITARY PLAN WIND *TUNNEL (IA81A) VO *LUME 2 OF 7 *	LAUNCH VEHICLE 5	*TO OBTAIN PRESSUR *E DISTRIBUTIONS, *FORCE DATA, AND H *INGE MOMENTS *ON THE INTEGRATED *LAUNCH VEHICLE	*PRESSURE	*0.03 / *0.6 - *2.5	/*ARC / *11-FOOT TRANSO *NIC WIND TUNNE *L (UNITARY)	*T. J. DZIUBALA, E *CHEE, M. D. MIL *M. M. MANN *-DMS	*DMS-DR-2169 *VOLUME 02 *JAN., 1976

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *RESULTS OF A PRES*	LAUNCH VEHICLE 5	*TO OBTAIN PRESSUR*	PRESSURE	*0.03 /	*ARC /	*T. J. DZIUBALA, E*	DMS-DR-2169
11TWT	- *SURE LOADS INVEST*		*E DISTRIBUTIONS, *	FORCE	*0.6 -	*ARC -	*. CHEE, M. D. MIL*	VOLUME 03
019	/*IGATION ON A 0.03*		*FORCE DATA, AND H*		*2.5	*11-FOOT TRANSO*	AM/RI	*JAN., 1976
IA81A	*O-SCALE MODEL (47*		*INGE MOMENTS			*NIC WIND TUNNE*	D. A. SARVER	
CR-141,838	*-OTS OF THE INTE*		*ON THE INTEGRATED*			*L (UNITARY)	*M. M. MANN	
	GRATED SPACE SHUT		*LAUNCH VEHICLE				*-DMS	
	TLE VEHICLE CONFI							
	GURATION 5 IN THE							
	NASA AMES RESEARC							
	*H CENTER 11 X 11 *							
	FOOT LEG OF THE U							
	*NITARY PLAN WIND *							
	TUNNEL (IA81A) VO							
	*LUME 3 OF 7							
	*							
ARC	- *RESULTS OF A PRES*	LAUNCH VEHICLE 5	*TO OBTAIN PRESSUR*	PRESSURE	*0.03 /	*ARC /	*T. J. DZIUBALA, E*	DMS-DR-2169
11TWT	- *SURE LOADS INVEST*		*E DISTRIBUTIONS, *	FORCE	*0.6 -	*ARC -	*. CHEE, M. D. MIL*	VOLUME 04
019	/*IGATION ON A 0.03*		*FORCE DATA, AND H*		*2.5	*11-FOOT TRANSO*	AM/RI	*JAN., 1976
IA81A	*O-SCALE MODEL (47*		*INGE MOMENTS			*NIC WIND TUNNE*	D. A. SARVER	
CR-141,839	*-OTS OF THE INTE*		*ON THE INTEGRATED*			*L (UNITARY)	*M. M. MANN	
	GRATED SPACE SHUT		*LAUNCH VEHICLE				*-DMS	
	TLE VEHICLE CONFI							
	GURATION 5 IN THE							
	NASA AMES RESEARC							
	*H CENTER 11 X 11 *							
	FOOT LEG OF THE U							
	*NITARY PLAN WIND *							
	TUNNEL (IA81A) VO							
	*LUME 4 OF 7							
	*							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT 019 IAB1A CR-141,840	- *RESULTS OF A PRES*LAUNCH VEHICLE 5 - *SURE LOADS INVEST* /*IGATION ON A 0.03* *O-SCALE MODEL (47* *-OTS) OF THE INTE* *GRATED SPACE SHUT* *TLE VEHICLE CONFI* *GURATION 5 IN THE* *NASA AMES RESEARC* *H CENTER 11 X 11 * *FOOT LEG OF THE U* *NITARY PLAN WIND * *TUNNEL (IAB1A) VO* *LUME 5 OF 7 *		*TO OBTAIN PRESSUR*PRESSURE *E DISTRIBUTIONS, *FORCE *FORCE DATA, AND H* *INGE MOMENTS * *ON THE INTEGRATED* *LAUNCH VEHICLE *		*0.03 / *ARC / *0.6 - *ARC - *2.5 *11-FOOT TRANSO*AM/RI *NIC WIND TUNNE*D. A. SARVER *L (UNITARY) *M. M. MANN *-DMS			*T. J. DZIUBALA, E*DMS-DR-2169 *. CHEE, M. D. MIL*VOLUME 05 *JAN., 1976	
ARC 11TWT 019 IAB1A CR-141,841	- *RESULTS OF A PRES*LAUNCH VEHICLE 5 - *SURE LOADS INVEST* /*IGATION ON A 0.03* *O-SCALE MODEL (47* *-OTS) OF THE INTE* *GRATED SPACE SHUT* *TLE VEHICLE CONFI* *GURATION 5 IN THE* *NASA AMES RESEARC* *H CENTER 11 X 11 * *FOOT LEG OF THE U* *NITARY PLAN WIND * *TUNNEL (IAB1A) VO* *LUME 6 OF 7 *		*TO OBTAIN PRESSUR*PRESSURE *E DISTRIBUTIONS, *FORCE *FORCE DATA, AND H* *INGE MOMENTS * *ON THE INTEGRATED* *LAUNCH VEHICLE *		*0.03 / *ARC / *0.6 - *ARC - *2.5 *11-FOOT TRANSO*AM/RI *NIC WIND TUNNE*D. A. SARVER *L (UNITARY) *M. M. MANN *-DMS			*T. J. DZIUBALA, E*DMS-DR-2169 *. CHEE, M. D. MIL*VOLUME 06 *JAN., 1976	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	* REPORT TITLE	* CONFIGURATIONS TESTED	* TEST PURPOSE	* TYPE OF TEST	* MODEL * MACH RANGE	* TESTING AGENCY	* COGNIZANT TEST DMS PERSONNEL	* BASIC PUBLICATIONS OR COMMENTS
ARC 111WT 019 IA81A CR-141,842	- *RESULTS OF A PRES*LAUNCH VEHICLE 5 - *SURE LOADS INVEST* /*IGATION ON A 0.03* *O-SCALE MODEL (47* *-OTS) OF THE INTE* *GRATED SPACE SHUT* *TLE VEHICLE CONFI* *GURATION 5 IN THE* *NASA AMES RESEARC* *H CENTER 11 X 11* *FOOT LEG OF THE U* *NITARY PLAN WIND* *TUNNEL (IA81A) VO* *LUME 7 OF 7	*TO OBTAIN PRESSUR*PRESSURE *E DISTRIBUTIONS, *FORCE *FORCE DATA, AND H* *INGE MOMENTS *ON THE INTEGRATED* *LAUNCH VEHICLE	*PRESSURE *FORCE * * * *	*0.03 / *ARC / *0.6 - *ARC - *2.5	*ARC / - *11-FOOT TRANSO*AM/RI *NIC WIND TUNNE*D. A. SARVER *L (UNITARY) *M. M. MANN *-DMS	*T. J. DZIUBALA, E*DMS-DR-2169 *. CHEE, M. D. MIL*VOLUME 07 *JAN., 1976		
ARC 111WT 014 IA19 CR-141,543	- *RESULTS OF A JET *LAUNCH VEHICLE 5 - *PLUME EFFECTS TES* /*T ON THE ROCKWELL* *INTERNATIONAL IN * *TEGATED SPACE SH* *UTTLE VEHICLE USI* *NG A VEHICLE 5 CO* *NFIGURATION 0.02-* *SCALE MODEL (88-0* *TS) IN THE 11 X 1* *1 FOOT LEG OF THE* *NASA/AMES RESEAR* *CH CENTER UNITARY* *PLAN WIND TUNNEL* *(IA19)	*TO OBTAIN ELEVON *FORCE *HINGE MOMENTS AND*PRESSURE *INCREMENTAL EFFE * *CTS OF JET PLUMES* *ON PRESSURE DISTR* *IBUTIONS	*FORCE *PRESSURE * * * *	*0.02 / *ARC / *0.9 - *ARC - *1.40	*ARC / - *11-FOOT TRANSO*M.E. NICHOLS/ R. *NIC WIND TUNNE*I. *L (UNITARY) *D. A. SARVER *W. B. MEINDERS *-DMS	*S.L.TREON/AMES RE*DMS-DR-2170 *SEARCH CENTER *VOLUME 01 *JUNE, 1975		

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT 014 IA19 CR-141,544	- *RESULTS OF A JET *LAUNCH VEHICLE 5 *PLUME EFFECTS TES* / *T ON THE ROCKWELL* *INTERNATIONAL IN * *TEGRATED SPACE SH* *UTTLE VEHICLE USI* *NG A VEHICLE 5 CO* *NFIGURATION 0.02-* *SCALE MODEL (88-0* *TS) IN THE 11 X 1* *1 FOOT LEG OF THE* *NASA/AMES RESEAR * *CH CENTER UNITARY* *PLAN WIND TUNNEL * *(IA19)	*TO OBTAIN ELEVON *FORCE *HINGE MOMENTS AND*PRESSURE *INCREMENTAL EFFE *CTS OF JET PLUMES* *ON PRESSURE DIST *RIBUTIONS	*0.02 / *ARC / *S.L. TREON/AMES R *DMS-DR-2170	*0.9 - *ARC - *ESEARCH CENTER *VOLUME 02	*1.40 *11-FOOT TRANSO*M.E. NICHOLS/ R. *JUNE, 1975	*NIC WIND TUNNE*I. *L (UNITARY) *D. A. SARVER *W. B. MEINDERS *-DMS			
ARC 11TWT 014 IA19 CR-141,545	- *RESULTS OF A JET *LAUNCH VEHICLE 5 *PLUME EFFECTS TES* / *T ON THE ROCKWELL* *INTERNATIONAL IN * *TEGRATED SPACE SH* *UTTLE VEHICLE USI* *NG A VEHICLE 5 CO* *NFIGURATION 0.02-* *SCALE MODEL (88-0* *TS) IN THE 11 X 1* *1 FOOT LEG OF THE* *NASA/AMES RESEAR * *CH CENTER UNITARY* *PLAN WIND TUNNEL * *(IA19)	*TO OBTAIN ELEVON *FORCE *HINGE MOMENTS AND*PRESSURE *INCREMENTAL EFFE *CTS OF JET PLUMES* *ON PRESSURE DIST *RIBUTIONS	*0.02 / *ARC / *S.L. TREON/AMES R *DMS-DR-2170	*0.9 - *ARC - *ESEARCH CENTER *VOLUME 03	*1.40 *11-FOOT TRANSO*M.E. NICHOLS/R. I *JUNE, 1975	*NIC WIND TUNNE* *L (UNITARY) *D. A. SARVER *W. B. MEINDERS *-DMS			

[illegible]

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL SCALE MACH RANGE*	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 14-TWT 711 IA8 CR-134,107	- *AERODYNAMIC RESULTS OF AN ABORT SEPARATION EFFECTS TEST (IA8) CONDUCTED IN THE NASA/LARC 14-FOOT TRANSONIC WIND TUNNEL ON A MODEL (6-OTS) OF THE ROCKWELL INTERNATIONAL LAUNCH CONFIGURATION N INTEGRATED VEHICLE	*6-OTS	*EXPERIMENTAL AERODYNAMIC INVESTIGATIONS	*FORCE	*0.015 / *LARC *0.32 - *ARC *1.1 *14-FOOT TRANSONIC WIND TUNNEL *L *-DMS	*J.H. CAMPBELL, II/ *RI *J. E. VAUGHN *M. M. MOSER JR.	*DMS-DR-2173 *JULY, 1974	
MSFC 14TWT 594 IA33 CR-141,811	- *AN INVESTIGATION IN THE MSFC 14-INCH TWT TO DETERMINE THE STATIC STABILITY CHARACTERISTICS OF THE 0.004-SCALE MODEL (74-OTS) SPACE SHUTTLE VEHICLE 5 CONFIGURATION (IA33)	*VEHICLE 5 CONFIGURATION	*TO DETERMINE THE STATIC STABILITY CHARACTERISTICS OF THE SHUTTLE VEHICLE 5 CONFIGURATION; TO DETERMINE THE EFFECT ON THE VEHICLE 5 AERODYNAMIC CHARACTERISTICS OF ET AND SRB NOSE SHAPE, SRB NOZZLE SHROUD FLARE ANGLE, ORBITER TO TANK FAIRING, AND STING LOCATION	*FORCE	*0.004 / *MSFC *0.6 - *MSFC *4.96 *14-INCH TRISONIC WIND TUNNEL *-DMS	*E.C.ALLEN/RI *V. W. SPARKS *R. B. LOWE	*DMS-DR-2174 *VOLUME 01 *NOV., 1975	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC 14TWT 594 IA33 CR-141,812	- *AN INVESTIGATION *VEHICLE 5 CONFIGURATION	*TO DETERMINE THE *FORCE	*STATIC STABILITY *	*0.004 / *MSFC /	*E.C. ALLEN/RI	*DMS-DR-2174			
	- *IN THE MSFC 14-IN-RATION	*CHARACTERISTICS O*	*0.6 - *MSFC -	*V. W. SPARKS	*VOLUME 02				
	/*CH TWT TO DETERMI*	*F THE SHUTTLE VEH*	*4.96	*14-INCH TRISON*	*R. B. LOWE	*NOV., 1975			
	NE THE STATIC STA	*IC 5 CONFIGURAT*	*	*IC WIND TUNNEL*-DMS	*				
	BILITY CHARACTERI	*ION; TO DETERMINE*	*	*	*				
	STICS OF THE 0.00	*THE EFFECT ON TH *	*	*	*				
	4-SCALE MODEL (74	*E VEHICLE 5 AEROD*	*	*	*				
	-OTS) SPACE SHUTT	*YNAMIC CHARACTERI*	*	*	*				
	LE VEHICLE 5 CONF	*STICS OF THE ET A *	*	*	*				
	*IGURATION (IA33) *	*ND SRB NOSE SHAPE*	*	*	*				
	*	*, SRB NOZZLE SHRO*	*	*	*				
	*	*UD FLARE ANGLE, O*	*	*	*				
	*	*RBITER TO TANK FA*	*	*	*				
	*	*IRING, AND STING *	*	*	*				
	*	*LOCATION	*	*	*				
	*	*	*	*	*				
MSFC 14TWT 594 IA33 CR-141,813	- *AN INVESTIGATION *VEHICLE 5 CONFIGURATION	*TO DETERMINE THE *FORCE	*STATIC STABILITY *	*0.004 / *MSFC /	*E.C. ALLEN/RI	*DMS-DR-2174			
	- *IN THE MSFC 14-IN-RATION	*CHARACTERISTICS O*	*0.6 - *MSFC -	*V. W. SPARKS	*VOLUME 03				
	/*CH TWT TO DETERMI*	*F THE SPACE SHUTT*	*4.96	*14-INCH TRISON*	*R. B. LOWE	*NOV., 1975			
	NE THE STATIC STA	*IC WIND TUNNEL*-DMS	*	*	*				
	BILITY CHARACTERI	*LE VEHICLE 5 CONF*	*	*	*				
	STICS OF THE 0.00	*IGURATION; TO DET*	*	*	*				
	4-SCALE MODEL (74	*ERMINE THE EFFECT*	*	*	*				
	-OTS) SPACE SHUTT	*ON THE VEHICLE 5 *	*	*	*				
	LE VEHICLE 5 CONF	*AERODYNAMIC CHARA*	*	*	*				
	*IGURATION (IA33) *	*CTERISTICS OF THE*	*	*	*				
	*	*ET AND SRB NOSE *	*	*	*				
	*	*SHAPE, SRB NOZZLE*	*	*	*				
	*	*SHROUD FLARE ANGL*	*	*	*				
	*	*E, ORBITER TO TAN*	*	*	*				
	*	*K FAIRING, AND ST*	*	*	*				
	*	*ING LOCATION	*	*	*				
	*	*	*	*	*				

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD	- *SUBSONIC AND TRAN*	MODEL 49-O + 67TS*	OBTAIN ORBITER WI*	FORCE	* 0.015 /	*NRLAD /	*M.T. HUGHES, R.C.	*DMS-DR-2175
7TWT	- *SONIC HINGE MOMEN*	INTEGRATED VEHIC	*NG BENDING LOADS	*PRESSURE	*0.90 -	*NRLAD -	*MENNELL / R.I.	*VOLUME 01
282	/*T AND WING BENDIN*	LE	*AND TO DEFINE ELE*		*1.50	*7-FOOT TRISONI*	*D. E. POUCHER	*DEC., 1974
IA70	*G/TORSION	*	*VON AND BODY FLAP*		*	*C WIND TUNNEL	*-DMS	*
CR-134,431	*CHARACTERISTICS F*		*HINGE MOMENTS WHI*		*			*
	OR THE -140A/B IN		*LE IN THE SSV INT*		*			*
	TEGRATED SPACE SH		*TEGRATED CONFIGURA*		*			*
	*UTTLE VEHICLE	*	*TION		*			*
	(IA70) VOLUME 1 0	*			*			*
	*F 3	*			*			*
	*	*			*			*
NRLAD	- *SUBSONIC AND TRAN*	MODEL 49-O + 67TS*	OBTAIN ORBITER WI*	FORCE	* 0.015 /	*NRLAD /	*M.T. HUGHES, R.C.	*DMS-DR-2175
7TWT	- *SONIC HINGE MOMEN*	INTEGRATED VEHIC	*NG BENDING LOADS	*PRESSURE	*0.90 -	*NRLAD -	*MENNELL / R.I.	*VOLUME 02
282	/*T AND WING BENDIN*	LE	*AND TO DEFINE ELE*		*1.50	*7-FOOT TRISONI*	*D. E. POUCHER	*DEC., 1974
IA70	*G/TORSION	*	*VON AND BODY FLAP*		*	*C WIND TUNNEL	*-DMS	*
CR-134,432	*CHARACTERISTICS F*		*HINGE MOMENTS WHI*		*			*
	OR THE -140A/B IN		*LE IN THE SSV INT*		*			*
	TEGRATED SPACE SH		*TEGRATED CONFIGURA*		*			*
	*UTTLE VEHICLE	*	*TION		*			*
	(IA70) VOLUME 2 0	*			*			*
	*F 3	*			*			*
	*	*			*			*
NRLAD	- *SUBSONIC AND TRAN*	MODEL 49-O + 67TS*	OBTAIN ORBITER WI*	FORCE	* 0.015 /	*NRLAD /	*M.T. HUGHES, R.C.	*DMS-DR-2175
7TWT	- *SONIC HINGE MOMEN*	INTEGRATED VEHIC	*NG BENDING LOADS	*PRESSURE	*0.90 -	*NRLAD -	*MENNELL / R.I.	*VOLUME 03
282	/*T AND WING BENDIN*	LE	*AND TO DEFINE ELE*		*1.50	*7-FOOT TRISONI*	*D. E. POUCHER	*DEC., 1974
IA70	*G/TORSION	*	*VON AND BODY FLAP*		*	*C WIND TUNNEL	*-DMS	*
CR-134,433	*CHARACTERISTICS F*		*HINGE MOMENTS WHI*		*			*
	OR THE -140A/B IN		*LE IN THE SSV INT*		*			*
	TEGRATED SPACE SH		*TEGRATED CONFIGURA*		*			*
	*UTTLE VEHICLE	*	*TION		*			*
	(IA70) VOLUME 3 0	*			*			*
	*F 3	*			*			*
	*	*			*			*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 2HT 26 A40 M-X 72661	- *SPACE SHUTTLE ORB*139B ORBITER - *ITER TRIMMED CENT* /*ER OF GRAVITY EXT* *ENSION STUDY VOLU* *ME IV - EFFECTS O* *F CONFIGURATION M* *ODIFICATIONS ON T* *HE AERODYNAMICS O* *F THE 139B ORBITE* *R AT MACH 20.3	*139B ORBITER	*DETERMINE THE EFF*FORCE *ECT OF SEVERAL FO* *REBODY, WING-FILL* *ET, AND CANARD MO* *DIFICATIONS ON TH* *E ORBITER LONGITU* *DINAL CENTER OF P* *RESSURE LOCATIONS*		*19.0- *21.6	*LARC / *LARC - *22-INCH HELIUM* *TUNNEL	*W. I. SCALLION/ *ASA LARC *G. G. MCDONALD *-DMS	*DMS-DR-2176 *MAY, 1978
ARC 94 OA83 OR-141,510	- *RESULTS OF INVEST*140A/B SSV ORBITE - *IGATIONS ON AN O.*R /*015-SCALE CONFIGU* *RATION 140A/B SPA* *CE SHUTTLE VEHICL* *E ORBITER REACTIO* *N CONTROL SYSTEM * *PLUME-IMPINGEMENT* *MODEL 36-O IN TH * *E NASA/AMES RESEA* *RCH CENTER 3.5-FO* *OT HYPERSONIC WIN* *D TUNNEL (OA83) *	*140A/B SSV ORBITE	*TO INVESTIGATE IN*FORCE *CREMENTAL SURFACE*PRESSURE *PRESSURE EFFECTS * *OF RCS PITCH ENG * *INE OPERATION		*0.015 / *5.3 - *10.3	*RI / *ARC - *3.5-FOOT HYPER* *SONIC WIND TUN*-DMS *NEL	*M. E. NICHOLS/RI *T. E. POLEK/ARC *R. B. LOWE *-DMS	*DMS-DR-2177 *MARCH, 1975
ARC 97SWT 747 OA53B CR-134,119	- *INVESTIGATIONS ON*140A/B - *AN O.030-SCALE S * /*PACE SHUTTLE VEHI* *CLE CONFIGURATION* *140A/B ORBITER MO* *DEL IN THE AMES R* *ESEARHCN CENTER 9-* *BY 7 FOOT SUPER-* *SONIC WIND TUNNEL* *(OA53B)	*140A/B	*THE PRIMARY TEST *FORCE *OBJECTIVES ARE TO* *OBTAIN CONFIGURA * *TION 140A/B *STABILITY AND CON* *TROL CHARACTERIST* *ICS, CONTROL SURF* *ACE EFFECTIVENESS* *CONTROL SURFACE H* *INGE MOMENTS, AND* *VERTICAL TAIL PA * *NEL LOADS.		*0.03 / *1.6 - *2.0	*ARC / *ARC - *9-FOOT BY 7-FO* *OT SUPERSONIC *-DMS *WIND TUNNEL (U* *NITARY)	*MARK E. NICHOLS / *RI *M. M. MANN *-DMS	*DMS-DR-2178 *AUGUST, 1974

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 1TWT 705 97SWT OS8A/B CR-151,378	RESULTS OF AN INVESTIGATION OF HE WING CARRY-THROUGH ACUSTIC AND V B H STRUCTURE WITH Y TO EXTREME PRES	NVSS ORBITER LOWER S TILE SENSITIVIT	TO INVESTIGATE TP	STRUCT-DYN	1.0 / 0.60 - 2.5	ARC /	R. B. KINGSLAND/R	DMS-DR-2179 NOV., 1977
	RATIONAL ENVIRNM A DUMMY PANEL , ASSURE GRADIENTS AN	SCA RIGID PANEL, OR A D VIBRATION AND T	DEFINE THE TPS					
	LE SPACE SHUTTLE N ELASTIC PANEL	AERODYNAMIC ENVI						
	ORBITER STRUCTURA	RMENT						
	L TEST PANEL WITH							
	SIMULATED TPS IN							
	THE AMES UNITARY							
	PLAN WIND TUNNEL							
	(MODEL 81-O, TEST							
	OS8A AND B)							
ARC 3.5HWT 195 IH28 CR-147,615	HEAT TRANSFER TES SSV ORBITER (MODE T OF AN 0.006-SCA L(50-O) LE THIN-SKIN THER SSV EXT. TANK (MO COUPLE SPACE SH DEL 41-T) UTLE MODEL (50-O* ,41T) IN THE NASA AMES RESEARCH CE NTER 3.5-FOOT HYP ERSONIC WIND TUNN EL AT MACH 5.3 (I H-28)	OBTAI AERODYNAMI C HEATING DATA UN DER SIMULATED RET URN-TO-LAUNCH-SIT E ABORT CONDITION	HEAT-TRANS		5.22- 5.30	ARC -	J. W. CUMMINGS, T F. FOSTER/RI W. K. LOCKMAN/ARC D. A. SARVER R. B. LOWE -DMS	DMS-DR-2180 VOLUME 01 SEPT., 1976
ARC 3.5HWT 195 IH28 CR-147,615	HEAT TRANSFER TES SSV ORBITER (MODE T OF AN 0.006-SCA L(50-O) LE THIN-SKIN THER SSV EXT. TANK (MO COUPLE SPACE SH DEL 41-T) UTLE MODEL (50-O* ,41T) IN THE NASA AMES RESEARCH CE NTER 3.5-FOOT HYP ERSONIC WIND TUNN EL AT MACH 5.3 (I H-28)	OBTAI AERODYNAMI C HEATING DATA UN DER SIMULATED RET URN-TO-LAUNCH-SIT E ABORT CONDITION	HEAT-TRANS		5.22- 5.30	ARC -	J. W. CUMMINGS, T F. FOSTER/RI W. K. LOCKMAN/ARC D. A. SARVER R. B. LOWE -DMS	DMS-DR-2180 VOLUME 02 SEPT., 1976

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL SCALE*	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 3.5HWT 196 TA9F CR-134,425	- *A HYPERSONIC FORCE EXTERNAL TANK *E AND MOMENT TEST /*OF A 0.006 SCALE *MODEL OF THE *330.2 INCH DIAMETER EXTERNAL TANK *IN THE AMES RESEARCH CENTER 3.5 FT. HYPERSONIC WIND TUNNEL (TA9F)	*EXTERNAL TANK *TO INVESTIGATE THE EFFECTS OF PROTUBERANCES AND RESONANCE NUMBER ON THE FORCE AND MOMENT COEFFICIENTS	*FORCE	*	* 0.006 / *5.3 - *10.4	*MSFC / *ARC - *3.5-FOOT HYPERSONIC WIND TUNNEL	*PAUL RAMSEY/NASA *TOMMY DAVIS/ NSI *J. E. VAUGHN *G. G. MCDONALD *-DMS	*DMS-DR-2181 *NOV., 1974
LARC UPWT 1101 LA49 CR-151,062	- *SUPERSONIC CONTROL O89B/139 *L EFFECTIVENESS FOR FULL AND PARTIAL SPAN ELEVON CONFIGURATIONS ON A 0.0165 SCALE MODEL SPACE SHUTTLE ORBITER TESTED IN THE LARC UNITARY PLAN WIND TUNNEL	*O89B/139 *TO DETERMINE THE EFFECTS OF FUSELAGE NOSE AND WING FILLET MODES ON TRANSONIC AERO. CHARACTERISTICS OF A SPACE SHUTTLE ORBITER	*FORCE	*	* .0165 / *2.5 - *4.63	*LARC / *LARC - *UNITARY PLAN WIND TUNNEL	*BERNARD SPENCER, *JR./LARC *J. E. VAUGHN *-DMS	*DMS-DR-2182 *APRIL, 1977
LARC 8TP 684 LA51 TM-X 72661	- *SPACE SHUTTLE ORBITER TRIMMED CENTER-OF-GRAVITY EXTENSION STUDY: VOLUME II-EFFECTS OF CONFIGURATION MODIFICATIONS ON THE AERODYNAMIC CHARACTERISTICS OF THE 140A/B ORBITER AT TRANSONIC SPEEDS	*140A/B *TO DETERMINE THE EFFECTS OF FUSELAGE NOSE AND WING FILLET MODES ON TRANSONIC AERO. CHARACTERISTICS OF A SPACE SHUTTLE ORBITER	*FORCE	*	*0.01 / *.35 - *1.20	*LARC / *LARC - *8-FOOT TRANSONIC PRESSURE TUNNEL	*W. P. PHILLIPS *J. W. BALL *D.B. WATSON *-DMS	*DMS-DR-2183 *FEB., 1977

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 8TPT 680 LA48 CR-151,061	*TRANSONIC CONTROL*089B/140 *EFFECTIVENESS FO* /*R FULL AND PARTIA* *L SPAN ELEVON CO* *NFIGURATIONS ON A* *O.0165 SCALE MOD* *EL SPACE SHUTTLE* *ORBITER TESTED IN* *THE LARC 8-FOOT T* *RANSONIC PRESSURE* *TUNNEL	*TO DETERMINE LONG*FORCE *ITUDINAL/LATERAL* *CONTROL EFFECTIVE* *NESS ON COMBINATI* *ONS OF INBOARD, O* *UTBOARD, FULL SPA* *N WING TRAILING E* *DGE CONTROLS	*0.0165 / *.60 - *1.08	*LARC / *LARC - *8-FOOT TRANSON* *IC PRESSURE TU* *NNEL	*BERNARD SPENCER, J* *R./LARC *J. E. VAUGHN *B. J. FRICKEN *-DMS	*DMS-DR-2184 *APRIL, 1977		
ARC 87SWT 747 OA53C CR-134,120	*INVESTIGATIONS ON*140A/B *AN O.030-SCALE S* /*PACE SHUTTLE VEHI* *CLE CONFIGURATION* *140A/B ORBITER MO* *DEL IN THE AMES R* *ESEARCH CENTER UN* *ITARY PLAN 8-BY* *7-FOOT SUPERSONIC* *WIND TUNNEL	*THE PRIMARY TEST *FORCE *OBJECTIVES ARE TO* *OBTAIN CONFIGURA* *TION 140A/B *STABILITY AND CON* *TROL CHARACTERIST* *ICS, CONTROL SURF* *ACE EFFECTIVENESS* *CONTROL SURFACE H* *INGE MOMENTS, AND* *VERTICAL TAIL PA* *NEL LOADS.	*0.03 / *2.5 - *3.5	*ARC / *ARC - *8-FOOT BY 7-FO* *OT SUPERSONIC *-DMS *WIND TUNNEL (U* *NITARY)	*MARK E. NICHOLS / *RI *M. M. MANN *-DMS	*DMS-DR-2185 *SEPT., 1974		
LARC 8TPT 686 OA116 CR-134,428	*RESULTS OF DIFFER*0.015-SCALE ORBITE* *ENTIAL ELEVON/AIL*R MODEL, CONFIGURA* /*ERON DEFLECTION F*TION 140A/B (49-O* *OR LATERAL CONTRO*) *L OPTIMIZATION AN* *D ELEVON HINGE MO* *MENT INVESTIGATIO* *NS ON AN O.015-SC* *ALE MODEL(49-O) O* *F THE SPACE SHUTT* *LE ORBITER IN THE* *NASA/LANGLEY RES* *EARCH CENTER 8-FO* *OT TRANSONIC PRES* *SURE TUNNEL	*DETERMINE TRANSON*FORCE *IC DIFFERENTIAL E* *LEVON/AILERON LAT* *ERAL CONTROL OPTI* *MIZATION, TRANSONI* *C ELEVON HINGE MO* *MENTS, TRANSONIC E* *FFECTS OF NEW BAS* *ELINE 6-INCH ELEV* *ON/ELEVON AND ELE* *VON/FUSELAGE GAPS* *,AND TRANSONIC EF* *FFECTS OF THE NEW* *SHORT(VL70-008410* *) DMS PODS	*0.015 / *0.35 - *1.2	*LARC / *LARC - *8-FOOT TRANSON* *IC PRESSURE TU* *NNEL	*A.I. LINDSEY, M.D.* *MILAM/RI *R. H. LINDAHL *-DMS	*DMS-DR-2186 *JAN., 1975		

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD	- *EFFECTS OF WING/E*140A/B SPACE SHUT*TO DEFINE ORBITER*FORCE				*0.0405 /	*RI /	*R. C. MENNELL / RI	*DMS-DR-2187
LSWT	- *LEVON GAP SEALING*TLR ORBITER INNER*ELEVON EFFECTIVE *				*0.26 -	*NRLAD -	*R. B. LOWE	*NOV., 1974
726	/*FLAPPER DOORS ON *MOLD LINE CONFIG *NESS WITH THE NEW*				*0.26	*LOW SPEED WIND*	*DMS	*
OA119A	*ORBITER ELEVON E *URATION, (MODEL 1*6 INCH ELEVON GA *				*	*TUNNEL	*	*
CR-134,421	*FFECTIVENESS (OA1*6-O)	*PS SEALING FLAPPE*			*	*	*	*
	*19A)	*R DOORS			*	*	*	*
	*	*			*	*	*	*
LARC	- *	*		*FORCE	*	*LARC /	*D.B. WATSON	*DMS-DR-2188
UPWT	- *	*		*	*	*LARC -	*-DMS	*TO LRC
1075	/*	*		*	*	*UNITARY PLAN W*	*	*
LA39	*	*		*	*	*IND TUNNEL	*	*
	*	*		*	*	*	*	*
ARC	- *RESULTS OF INVEST*ORBITER 140A/B	*TO INVESTIGATE OR*FORCE			*1.5 -	*ARC /	*E. CHEE/ROCKWELL	*DMS-DR-2189
97SWT	- *IGATION IA110 ON *	*BITER WING BENDIN*			*2.5	*ARC -	*M. M. MANN	*MARCH, 1975
O52	/*A 0.015-SCALE INT*	*G, ELEVON PANEL L*			*	*9-FOOT BY 7-FO*	*-DMS	*
IA110	*EGRATED CONFIGURA*	*OADS, AND ELEVON *			*	*OT SUPERSONIC *	*	*
CR-141,506	*TION OF THE SPACE*	*EFFECTIVENESS			*	*WIND TUNNEL (U*	*	*
	*SHUTTLE VEHICLE *	*			*	*NITARY)	*	*
	IN THE ARC 9X7 SU	*			*	*	*	*
	*PERSONIC WIND *	*			*	*	*	*
	TUNNEL USING MODE	*			*	*	*	*
	LS 67-TS AND 49-O	*			*	*	*	*
	*	*			*	*	*	*
MSFC	- *INVESTIGATION IN *O.004-SCALE ORBIT*TO VERIFY STABILI*FORCE				* 0.004 /	*NASA /	*E. C. ALLEN / RI	*DMS-DR-2190
14TWT	- *THE MSFC TWT TO V*ER FORCE MODEL (7*TY AND CONTROL CH*				*0.6 -	*MSFC -	*R. H. LINDAHL	*JUNE, 1975
599	/*ERIFY THE STATIC *4-O)	*ARACTERISTICS			* 4.96	*14-INCH TRISON*-DMS	*	*
OA108	*STABILITY AND CON*	*			*	*IC WIND TUNNEL*	*	*
CR-141,537	*TROL EFFECTIVENES*	*			*	*	*	*
	S OF THE 0.004-SC	*			*	*	*	*
	*ALE MODEL (74-O) *	*			*	*	*	*
	*OF THE SHUTTLE 5 *	*			*	*	*	*
	*ORBITER (OA-108) *	*			*	*	*	*
	*	*			*	*	*	*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC	- *SPACE SHUTTLE ORB*140A/B		*C. G. EXTENSION S*FORCE		*0.01 /	*LARC /	*P. T. BERNOT/NASA	*DMS-DR-2191
CFHT	- *ITER TRIMMED CENT*		*TUDY AT MACH 10		*10.3 -	*LARC -	*LARC	*JULY, 1975
104	/*ER OF GRAVITY EXT*				*10.3	*CONTINUOUS-FLO*	J. E. VAUGHN	
LA47	*ENSION STUDY: VO*					*W HYPERSONIC T*	G. G. MCDONALD	
TM-X	*LUME 1--EFFECTS O*					*UNNEL	--DMS	
72661	*F CONFIGURATIONS *							
	ON THE AERODYNAMI							
	C CHARACTERISTICS							
	*OF THE 140 A/B O *							
	RBITER AT MACH 10							
	*.3							
	*							
AEDC	- *AERODYNAMIC RESUL*	O/ET; O/ET,SRB; S*	STATIC FORCE TEST*	FORCE	*0.010 /	*RI /	*J.H. CAMPBELL, C*	DMS-DR-2192
SWTA	- *TS OF A SEPARATIO*	RB	*OF SRB SEPARATIO *		*4.52 -	*AEDC -	*ARL KNUDSEN, PAU*	VOLUME 01
60A	/*N EFFECTS TEST (I*		*N EFFECTS FOR A R*		*4.52	*SUPERSONIC WIN*	L PEARSON/R.I.	*JULY, 1975
IA87	*A87) ON A 0.01-SC*		*ANGE OF SSV ATTIT*			*D TUNNEL (A)	*ROBERT BURT/ARO	
CR-141,541	*ALE MODEL (52-OTS*		*UDES				*D. A. SARVER	
	*) OF THE INTEGRAT						*D.B. WATSON	
	ED SSV IN THE AED						--DMS	
	C/VKF 40-BY-40 IN							
	CH SUPERSONIC WIN							
	*D TUNNEL A							
	*							
AEDC	- *AERODYNAMIC RESUL*	O/ET; O/ET,SRB; S*	STATIC FORCE TEST*	FORCE	*0.010 /	*RI /	*J.H. CAMPBELL, C*	DMS-DR-2192
SWTA	- *TS OF A SEPARATIO*	RB	*OF SRB SEPARATIO *		*4.52 -	*AEDC -	*ARL KNUDSEN, PAU*	VOLUME 02
60A	/*N EFFECTS TEST (I*		*N EFFECTS FOR A R*		*4.52	*SUPERSONIC WIN*	L PEARSON/R.I.	*JULY, 1975
IA87	*A87) ON A 0.01-SC*		*ANGE OF SSV ATTIT*			*D TUNNEL (A)	*ROBERT BURT/ARO	
CR-141,542	*ALE MODEL (52-OTS*		*UDES				*D. A. SARVER	
	*) OF THE INTEGRAT						*D.B. WATSON	
	ED SSV IN THE AED						--DMS	
	C/VKF 40-BY-40 IN							
	CH SUPERSONIC WIN							
	*D TUNNEL A							
	*							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL SCALE* MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 3.5HWT 199 OH26 CR-151,380	- *RESULTS OF HEAT TSS ORB. 140B MODE* - *RANSFER TEST OF A*L (MODIFIED 22-O)* /*O.0175-SCALE SPA * *CE SHUTTLE ORBITE* *R 140B MODEL (MOD* *IFIED 22-O) IN TH* *E NASA-AMES RESEA* *RCH CENTER 3.5-FO* *OT HYPERSONIC WIN* *D TUNNEL	*TO OBTAIN AERO HE* *ATING DATA ON ORB* *ITER UNDER SIMULA* *TED ENTRY CONDITI* *ONS	*HEAT-TRANS*	*	*0.0175 / * 7.32- * 7.32	*ROCKWELL/ *ARC - *3.5-FOOT HYPERM.* *SONIC WIND TUN*-DMS *NEL	*W. H. DYE/RI *J. E. VAUGHN *M. MOSER JR.	*DMS-DR-2193 *OCT., 1977
ARC 97SWT 019 IA81B CR-141,817	- *RESULTS OF A PRES*LAUNCH VEHICLE 5 - *SURE LOADS INVEST* /*IGATION ON A 0.03* *O-SCALE MODEL (47* *OTS OF THE INTE* *GRATED SPACE SHUT* *TLE VEHICLE CONFI* *GURATION 5 IN THE* *NASA AMES RESEARC* *H CENTER 9 X 7 FO* *OT LEG OF THE UNI* *TARY PLAN WIND TU* *NNEL (IA81B) VOLU* *ME 1 OF 5	*TO OBTAIN PRESSUR*PRESSURE *E DISTRIBUTIONS, *FORCE *FORCE DATA, AND H* *INGE MOMENTS ON T* *HE INTEGRATED LAU* *NCH VEHICLE		*	*0.03 / *0.9 - *1.4	*ROCKWELL/ *ARC - *9-FOOT BY 7-FO*AM/RI *OT SUPERSONIC *D.W.HERSEY *WIND TUNNEL (U*G. W. KLUG *NITARY)	*T. J. DZIUBALA, *. CHEE, M. D. MIL* *NOV., 1975	*DMS-DR-2194 *VOLUME 01
ARC 97SWT 019 IA81B CR-141,818	- *RESULTS OF A PRES*LAUNCH VEHICLE 5 - *SURE LOADS INVEST* /*IGATION ON A 0.03* *O-SCALE MODEL (47* *OTS OF THE INTE* *GRATED SPACE SHUT* *TLE VEHICLE CONFI* *GURATION 5 IN THE* *NASA AMES RESEARC* *H CENTER 9 X 7 FO* *OT LEG OF THE UNI* *TARY PLAN WIND TU* *NNEL (IA81B) VOLU* *ME 2 OF 5	*TO OBTAIN PRESSUR*PRESSURE *E DISTRIBUTIONS, *FORCE *FORCE DATA, AND H* *INGE MOMENTS ON T* *HE INTEGRATED LAU* *NCH VEHICLE		*	*0.03 / *0.9 - *1.4	*ROCKWELL/ *ARC - *9-FOOT BY 7-FO*AM/RI *OT SUPERSONIC *D.W.HERSEY *WIND TUNNEL (U*G. W. KLUG *NITARY)	*T. J. DZIUBALA, *. CHEE, M. D. MIL* *DEC., 1975	*DMS-DR-2194 *VOLUME 02

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 97SWT 019	- *RESULTS OF A PRES*LAUNCH VEHICLE 5	*TO OBTAIN PRESSUR*PRESSURE	*O.03 /	*ROCKWELL/	*T. J. DZIUBALA, E*	DMS-DR-2194		
IA81B	- *SURE LOADS INVEST*	*E DISTRIBUTIONS, *FORCE	*O.9 -	*ARC -	*. CHEE, M. D. MIL*	VOLUME 03		
CR-141,819	/*IGATION ON A 0.03*	*FORCE DATA, AND H*	*1.4	*9-FOOT BY 7-FO*	AM/RI	DEC., 1975		
	O-SCALE MODEL (47	*INGE MOMENTS ON T*		*OT SUPERSONIC	*D.W.HERSEY			
	CR-141,819*-OTS) OF THE INTE*	*HE INTEGRATED LAU*		*WIND TUNNEL (U*	G. W. KLUG			
	GRATED SPACE SHUT	*NCH VEHICLE		*NITARY)	--DMS			
	TLE VEHICLE CONFI							
	GURATION 5 IN THE							
	NASA AMES RESEARC							
	H CENTER 9 X 7 FO							
	OT LEG OF THE UNI							
	TARY PLAN WIND TU							
	NNEL (IA81B) VOLU							
	*ME 3 OF 5							
	*							
ARC 97SWT 019	- *RESULTS OF A PRES*LAUNCH VEHICLE 5	*TO OBTAIN PRESSUR*PRESSURE	*O.03 /	*ROCKWELL/	*T. J. DZIUBALA, E*	DMS-DR-2194		
IA81B	- *SURE LOADS INVEST*	*E DISTRIBUTIONS, *FORCE	*O.9 -	*ARC -	*. CHEE, M. D. MIL*	VOLUME 04		
CR-141,820	/*IGATION ON A 0.03*	*FORCE DATA, AND H*	*1.4	*9-FOOT BY 7-FO*	AM/RI	DEC., 1975		
	O-SCALE MODEL (47	*INGE MOMENTS ON T*		*OT SUPERSONIC	*D.W.HERSEY			
	CR-141,820*-OTS) OF THE INTE*	*HE INTEGRATED LAU*		*WIND TUNNEL (U*	G. W. KLUG			
	GRATED SPACE SHUT	*NCH VEHICLE		*NITARY)	--DMS			
	TLE VEHICLE CONFI							
	GURATION 5 IN THE							
	NASA AMES RESEARC							
	H CENTER 9 X 7 FO							
	OT L&G OF THE UNI							
	TARY PLAN WIND TU							
	NNEL (IA81B) OVLU							
	*ME 4 OF 5							
	*							

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL MACH RANGE	SCALE TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC *PUBLICATIONS OR COMMENTS
ARC 97SWT 019 IA81B CR-141,821	- *RESULTS OF A PRES-SURE LOADS INVESTIGATION ON A O.03-O-SCALE MODEL (47*-OTS) OF THE INTEGRATED SPACE SHUTTLE VEHICLE CONFIGURATION 5 IN THE NASA AMES RESEARCH CENTER 9 X 7 FOOT LEG OF THE UNITARY PLAN WIND TUNNEL (IA81B) VOLU-ME 5 OF 5	*LAUNCH VEHICLE 5	*TO OBTAIN PRESSURE DISTRIBUTIONS, FORCE DATA, AND HINGE MOMENTS ON THE INTEGRATED LAUNCH VEHICLE	*PRESSURE FORCE	*O.03 / *0.9 - *1.4	*ROCKWELL/ *ARC - *9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	*T. J. DZIUBALA, *CHEE, M. D. MILAM/RI *D.W.HERSEY *G. W. KLUG *-DMS	E*DMS-DR-2194 *VOLUME 05 *DEC., 1975
LARC CFHT 113 OA82 CR-134,442	- *RESULTS OF TEST A82 IN THE NASA/LRC 3-INCH CFHT O-N AN O.010-SCALE MODEL(32-O) OF THE SPACE SHUTTLE CONFIGURATION 3 TO DETERMINE RCS JET FLOW FIELD INTERACTION AND TO INVESTIGATE RT RECAL GAS EFFECTS	*ORBITER CONFIG. 3	*TO DETERMINE RCS JET INTERACTION EFFECTS ON HYPERSONIC AERODYNAMIC CHARACTERISTICS AND TO INVESTIGATE RT (GAS CONSTANT TIMES TEMP.) SCALING EFFECTS ON THE RCS SIMILITUDE	*FORCE E*	* 0.010 / *10.3 - *10.3	*ROCKWELL/ *LARC - *CONTINUOUS-FLOW-HYPERSONIC TUNNEL	*D. E. THORNTON/RI *M. M. MANN *-DMS	*DMS-DR-2195 *FEB., 1975
AEDC HWTB 71A OA79 CR-141,531	- *RESULTS OF INVESTIGATIONS OF AN O.015 SCALE SPACE SHUTTLE VEHICLE 140A/B CONFIGURATION WITH MODIFIED PODS AND ELEMENTS IN THE AEDC VKI TUNNEL B (OA79)	*ORBITER 140A/B	*TO DETERMINE EFFECTS OF SURFACE DEFLECTIONS, RUDDER, BRAKE, AND BODY FLAP CONFIGURATION AT MACH 8, ANGLE OF ATTACK RANGE OF 15D TO 45D, ANGLE OF SIDELIP RANGE OF -5D TO 5D	*FORCE D*	*8.0 - *8.0	*ROCKWELL/ *AEDC - *HYPERSONIC WIND TUNNEL (B)	*V. ESPARZA /ROCKWELL INTERNATIONAL *A. I. LINDAY /ROCKWELL INTERNATIONAL *-DMS	*DMS-DR-2196 *MAY, 1975

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *PRESSURE AND HEAT*	ET MODEL MCRO200	*TO MEASURE INTERA*	*HEAT-TRANS*	*0.0175 /	*MSFC /	*E. B. BREWER, MSF	*DMS-DR-2197
HWTF	- *-FLUX RESULTS FRO*		*CTION HEATING RAT*		*16 -	*AEDC -	*C	*OCT., 1974
VA291	/M THE SPACE SHUTT*		*ES ON ET MATED TO*		*19	*HYPERVELOCITY	*D. R. HABERMAN, A*	
FH10	*LE/EXTERNAL FUEL *		*ORBITER UNDER LA *			*WIND TUNNEL (FRO		
CR-134,418	*TANK INTERACTION *		*MINAR FLOW CONDIT*			*)	*V. W. SPARKS	
	TEST AT MACH NUMB		*IONS				*M. M. MOSER JR.	
	ERS 16 AND 19 (FH						*-DMS	
	*10)							
	*							
AEDC	- *DIFFERENTIAL ELEV*	ORBITER 140A/B	*DETERMINE SUPERSO*	*FORCE	*2.0 -	*ROCKWELL/	*V. ESPARZA / R*	*DMS-DR-2198
SWTA	- *ON EFFECTIVENESS *		*NIC DIFFERENTIAL *		*5.0	*AEDC -	*OCKWELL INTERNATI*	*JULY, 1975
71A	/LATERAL CONTROL O*		*ELEVON/AILERON LA*			*SUPERSONIC WIN*	*ONAL	
OA115	*PTIMIZATION AND *		*TERAL CONTROL *			*D TUNNEL (A)	*A. I. LINDSAY / R*	
CR-141,534	*ELEVON HINGE MOMEN*		*OPTIMIZATION, SUP*				*OCKWELL INTERNATI*	
	*NT INVESTIGATION *		*ERSONIC ELEVON HI*				*ONAL	
	*ON A 0.015-SCALE *		*NGE MOMENTS, SUPE*				*R. H. LINDAHL	
	*SPACE SHUTTLE *		*RSONIC EFFECTS *				*-DMS	
	ORBITER MODEL (14		*OF NEW BASELINE 6*					
	O A/B/C MODIFIED)		*-INCH ELEVON/ELEV*					
	*IN THE AEDC VKF *		*ON AND ELEVON/FUS*					
	*WIND TUNNEL A *		*ELAGE GAPS, AND *					
	*(OA115)		*SUPERSONIC EFFECT*					
	*		*S OF THE NEW SHOR*					
	*		*T DMS PODS.					
	*		*					
LARC	- *SUPERSONIC DYNAMI*	ORBITER; ET; SRB	*TO DETERMINE DYNA*	*FORCE	*0.015 /	*LARC /	*R. P. BOYDEN, D.	*DMS-DR-2199
UPWT	- *C-STABILITY DERIV*		*MIC-STABILITY CHA*		*2.0 -	*LARC -	*C. FREEMAN, JR.,	*OCT., 1976
1074	/ATIVES OF THE SPA*		*RACTERISTICS AT S*		*4.63	*UNITARY PLAN W*	*E. E. DAVENPORT/L*	
1093	/CE SHUTTLE LAUNCH*		*UPERSONIC SPEEDS *			*IND TUNNEL	*ARC	
LA43A/B	*VEHICLE						*J. W. BALL	
LA43B	*						*R. H. LINDAHL	
TM-X	*						*-DMS	
3315	*							
	*							

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 8TPT 677 LA44 TM-X 3336	- *SUBSONIC AND TRAN* - *SONIC DYNAMIC-STA* /*BILITY CHARACTERI* *STICS OF THE SPAC* *E SHUTTLE LAUNCH * *VEHICLE	*ORBITER-140A/B; S* *RB; ET; *N TESTS; MEASURED* *WERE PITCH, ROLL * *, YAW DAMPING, NO* *RMAL FORCE DUE TO* *PITCH RATE, CROS * *S DERIVATIVES, YA* *WING MOMENT DUE T* *O ROLL RATE, ROLL* *ING MOMENT DUE TO* *YAW RATE.	*FORCED-OSCILLATIO* *FORCE	*FORCE	*0.3 - *1.2	*ROCKWELL/ *LARC - *8-FOOT TRANSON* *IC PRESSURE TU* *NNEL *J. W. BALL *R. H. LINDAHL *-DMS	*D. C. FREEMAN, JR* *, R. P. BOYDEN, * *G. E. DAVENPORT/L* *ARC *J. W. BALL *R. H. LINDAHL *-DMS	*DMS-DR-2200 *OCT., 1976
UW LSWT 1136 CA3 CR-160,854	- *MATED CARRIER AER* - *ODYNAMIC CHARACTE* /*RISTICS INVESTIGA* *TION FOR O.04-SCA* *LE MODEL BOEING 7* *47 CARRIER (MODEL* *TE 1065)/SS ORBI* *TER (MODEL 43-O) * *AND 747 CARRIER/E* *T (MODEL 1284-72)* *COMBINATIONS IN * *THE U. OF WASH. A* *ERONAUTICAL LABOR* *ATORY (UWAL) F.K.* *KIRSTEN WIND TUNN* *EL (CA3)	*BOEING 747 CARRIE* *R (MODEL TE 1065)* *SS ORBITER (MODEL* *43-O) *ENT OF THE 747 AI* *R FERRY AND LAUNC* *H, TO PROVIDE TR* *ADE DATA FOR STAB* *ILIZER SIZE AND L* *LOCATION EFFECTS, * *AND TO PROVIDE DR* *AG AND STABILITY * *CHARACTERISTICS F* *OR THE AIRPLANE A* *ND EXTERNAL TANK * *CONFIGURATION.	*TO PROVIDE AERODY* *FORCE	*FORCE	*0.04 / *0.16 - *0.16	*BOEING / *UW - *LOW SPEED WIND* *TUNNEL *G *J. E. VAUGHN *G. R. LUTZ *-DMS	*R.D. KNUDSEN/BOEI* *NG K.B. BUCANAN/B* *OEING *R.L. HANSON/BOEI* *G *J. E. VAUGHN *G. R. LUTZ *-DMS	*DMS-DR-2201 *DEC., 1981

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD	- *SPACE SHUTTLE VEH*140A/B OUTER MOLD*	TO DEFINE FERRY C*	FORCE	*O.26 -	*ROCKWELL/	*R. C. MENNEL/RI	*DMS-DR-2202	
LSWT	- *ICLE FERRY CONFIG*LINE CONFIGURATI	*ONFIGURATION AFTE*		*O.26	*NRLAD -	*R. H. LINDAHL	*APRIL, 1975	
731	/*URATION AFTERBODY*ON	*RBODY FAIRING EFF*		*	*LOW SPEED WIND*-DMS			
OA123	*FAIRING EFFECTS *	*ECTS ON ORBITER S*		*	*TUNNEL			
CR-141,526	*ON 140A/B ORBITER*	*TABILITY AND CONT*		*				
	*AERODYNAMIC CHAR *	*ROL CHARACTERISTI*		*				
	ACTERISTICS USING	*CS AND TO SUBSTAN*		*				
	*AN .0405-SCALE M *	*TATE WIND TUNNEL*		*				
	ODEL ORBITER (43-	*RESULTS OBTAINED *		*				
	O) IN THE ROCKWEL	*AT BOEING AEROSP *		*				
	L INTERNATIONAL 7	*ACE COMPANY		*				
	.75 X 11 FT LOW S			*				
	*PEED WIND TUNNEL *			*				
	*(OA123)			*				
	*			*				
NRLAD	- *RESULTS OF AN INV*140C OUTER MOLD L*	TO DEFINE ORBITER*	FORCE	*O.0405 /	*ROCKWELL/	*M. T. HUGHES/RI	*DMS-DR-2203	
LSWT	- *ESTIGATION OF ELE*INE CONFIGURATION*	*LOW SPEED ELEVON *		*O.20 -	*NRLAD -	*D. A. SARVER	*APRIL, 1975	
730	/*VON HINGE MOMENTS*	*AILERON EFFECTIV*		*O.26	*LOW SPEED WIND*	*R. B. LOWE		
OA119B	*AND DUAL PANEL E *	*ENESS AND TO MEAS*		*	*TUNNEL	*-DMS		
CR-141,524	*LEVON EFFECTIVENESS*	*URE INDIVIDUAL EL*		*				
	SS USING AN .0405	*EVON PANEL HINGE *		*				
	-SCALE MODEL (16-	*MOMENTS FOR THE C*		*				
	O) OF THE CONFIGU	*URRENT 6 INCH EL*		*				
	RATION 140C SPACE	*EVON/ELEVON AND E*		*				
	*SHUTTLE ORBITER *	*LEVON FUSELAGE GA*		*				
	IN THE ROCKWELL I	*PS WITH WING/ELEV*		*				
	INTERNATIONAL NAAL	*ON GAP SEALING FL*		*				
	LOW SPEED WIND TU	*APPER DOORS		*				
	*NNEL (OA119B)			*				
	*			*				
LARC	- *RESULTS OF TRANSO*OTS, 140A/B	*TO DETERMINE EFFE*	FORCE	*O.010 /	*ROCKWELL/	*M. T. PETROZZI, M*	*DMS-DR-2204	
8TPT	- *NIC WIND TUNNEL T*	*CTS OF CONF. BUIL*		*O.6 -	*LARC -	*D. MILAN/ROCKWE*	*MAY, 1975	
693	/*ESTS ON AN O.010-*	*DUP, EFFECTS OF P*		*1.2	*8-FOOT TRANSON*	*LL		
IA43	*SCALE SPACE SHUTT*	*ROTUBERANCES, ET/*		*	*IC PRESSURE TU*	*B. J. FRICKEN		
CR-141,525	*LE MATED VEHICLE *	*ORBITER FAIRINGS *		*	*NNEL	*-DMS		
	MODEL 72-OTS IN T	*AND ATTACH STRUCT*		*				
	HE LARC 8-FOOT TP	*URE, ELEVON DEFL*		*				
	*T (IA43)	*ECTION EFFECTS ON*		*				
	*	*WING BENDING MOM *		*				
	*	*ENT		*				
	*			*				

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 22HT 431 OA109 CR-141,532	*RESULTS OF A 0.00*RI SPACE SHUTTLE *4-SCALE 140C MODI*ORBITER VEHICLE *FIED CONFIGURATIO*(MODIFIED) CONF *N SPACE SHUTTLE V*GURATION *EHICLE ORBITER MO*NFIGATION *DEL (74-O) IN THE *NASA/LANGLEY RES *EARCH CENTER HYPE *RSONIC HELIUM TUN *NEL (OA109)	*TO DETERMINE STAB*FORCE *ILITY AND CONTROL *CHARACTERISTICS *AT M=20.			*0.004 / *19.0 - *21.6	*ROCKWELL/ *LARC - *22-INCH HELIUM *TUNNEL	*P. J. HAWTHORNE/R *I *D. A. SARVER *R. B. LOWE *-DMS	*DMS-DR-2205 *MAY, 1975
LARC UPWT 1088/1119/IA44 CR-141,528	*RESULTS OF INVEST*O.010-SCALE OUTER*TO OBTAIN SIX-COM*FORCE *IGATIONS ON AN O.*MOLD LINE MODEL *PONENT FORCE AND *OF THE 140A/B CON*MOMENT DATA FOR T *CONFIGURATION (MO*FIGURATION *DEL 720TS) OF THE *ROCKWELL INTERNA *TIONAL SPACE SHUT *TLE ORBITER IN TH *E NASA/LANGLEY RE *SEARCH CENTER UNI *TARY PLAN WIND TU *NNEL (IA44)	*TO OBTAIN SIX-COM*FORCE *PONENT FORCE AND *MOMENT DATA FOR T *HE MATED VEHICLE *AT SUBSONIC AND T *RANSONIC CONDITIO *NS;EFFECTS OF CON *FIGURATION BUILD-*UP;EFFECTS OF PRO *TURBERANCES,ET/OR *BITER FAIRINGS AN *D ATTACK STRUCTUR *ES;ELEVON DEFLECT *ION EFFECTS ON WI *NG BENDING MOMENT			*.010 / *1.60 - *4.63	*LARC / *LARC - *UNITARY PLAN W *IND TUNNEL *-DMS	*M. T. PETROZZI, M *D. MILAM/RI *R. H. LINDAHL *-DMS	*DMS-DR-2206 *MAY, 1975

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL *MACH	SCALE RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC *PUBLICATIONS OR COMMENTS
MSFC HRWT C33 SA29F CR-147,608	- *AN INVESTIGATION - *TO DETERMINE THE /*PRESSURE DISTRIBUTION ON THE 0.013*DY *7 SCALE SOLID ROC* *KET BOOSTER FOREB* *ODY (MSFC MODEL 4* *67) AT HIGH ANGLE* *S OF ATTACK AT OR* *NEAR 90 DEGREES * *AND HIGH REYNOLDS* *NUMBERS IN THE M * *SFC HIGH REYNOLDS* *NUMBER WIND TUNN * *EL	*MODEL 467, SRB NO* *SE CONE AND FORWARD CYLINDRICAL BO* *RD CYLINDRICAL BO* *E-SECTION OF THE * *146-INCH DIA. SRB*	*TO DETERMINE THE *PRESSURE DISTRIBUTION OVER THE FOR* *E-SECTION OF THE * *146-INCH DIA. SRB*	*PRESSURE *0.4 - *0.6			*MSFC / *MSFC - *HIGH REYNOLDS *NUMBER WIND TU* *NNEL	*P. E. RAMSEY/MSFC *V. W. SPARKS *-DMS	*DMS-DR-2207 *JULY, 1976
MSFC 4TWT 609 TA3F CR-144,590	- *AN INVESTIGATION - *OF THE 0.0091SCAL* /*E EXTERNAL TANK O* *GIVE NOSE (MSFC M* *ODEL 470) IN THE * *MSFC 14 INCH TWT * *TO DETERMINE THE * *PRESSURE DISTRIBUTU* *TION AROUND THE E* *XTERNAL TANK NOSE* *	*MODEL NO. 470 *TO DETERMINE THE *PRESSURE DISTRIBUTU* *TION AROUND THE N* *OSE CAP	*TO DETERMINE THE *PRESSURE DISTRIBUTION AROUND THE N* *OSE CAP	*PRESSURE *0.0091 / *6 - *4.96			*MSFC / *MSFC - *14-INCH TRISON* *IC WIND TUNNEL* *M. M. MOSER JR. *-DMS	*P. E. RAMSEY/MSFC *G. W. WINKLER, T.* *C. DAVIS/NSI *V. W. SPARKS *M. M. MOSER JR. *-DMS	*DMS-DR-2208 *VOLUME 01 *JAN., 1976
MSFC 4TWT 609 TA3F CR-144,591	- *AN INVESTIGATION - *OF THE 0.0091SCAL* /*E EXTERNAL TANK O* *GIVE NOSE (MSFC M* *ODEL 470) IN THE * *MSFC 14 INCH TWT * *TO DETERMINE THE * *PRESSURE DISTRIBUTU* *TION AROUND THE E* *XTERNAL TANK NOSE* *	*MODEL NO. 470 *TO DETERMINE THE *PRESSURE DISTRIBUTU* *TION AROUND THE N* *OSE CAP	*TO DETERMINE THE *PRESSURE DISTRIBUTION AROUND THE N* *OSE CAP	*PRESSURE *0.0091 / *6 - *4.96			*MSFC / *MSFC - *14-INCH TRISON* *IC WIND TUNNEL* *M. M. MOSER JR. *-DMS	*P. E. RAMSEY/MSFC *G. W. WINKLER, T.* *C. DAVIS/NSI *V. W. SPARKS *M. M. MOSER JR. *-DMS	*DMS-DR-2208 *VOLUME 02 *JAN., 1976

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD	- *RESULTS OF A SPAC*MODEL 43-O		*INVESTIGATE AEROD*FORCE		*.26 -	*ROCKWELL/	*R. C. MENNEL, F. F.	*DMS-DR-2209
LSWT	- *E SHUTTLE VEHICLE*		*YNAMIC STABILITY *		*.26	*NRLAD -	*. FITZGERALD/ROCK*	*JUNE, 1975
736	/*FERRY CONFIGURAT *		*AND CONTROL CHARA*			*LOW SPEED WIND*WELL		
OA124	*ION AFTERBODY FAI*		*CTERISTICS OF THE*			*TUNNEL	*R. B. LOWE	
CR-141,536	*RING OPTIMIZATION*		*SSV FERRY CONFIG *				*-DMS	
	*STUDY USING A 14 *		*URATION					
	OA/B O.0405-SCALE							
	*MODEL ORBITER (4 *							
	3-0) IN THE ROCKW							
	ELL INTERNATIONAL							
	*7.75 X 11.0 FT L *							
	OW SPEED WIND TUN							
	*NEL (OA124)							
	*							
ARC	- *CONNECTIVE HEAT-T*15-O VIII (FLAT-P		*TO DETERMINE EFFE*HEAT-TRANS*		*5.22 -	*ROCKWELL/	*T. F. FOSTER, W.	*DMS-DR-2210
3.5HWT	- *RANSFER TEST RESU*LATE CARRIER)		*CTS OF SURFACE PR*		*5.24	*ARC -	*H. DYE/RI	*JUNE, 1979
200	/*LTS FOR A GAP, CY*		*OTUBERANCES AND S*			*3.5-FOOT HYPER*	*W. K. LOCKMAN	
IH27	*LINDRICAL-PROTUBE*		*HOCK IMPINGEMENT *			*SONIC WIND TUN*	*D.W.HERSEY	
CR-151,372	*RANCE, AND SHOCK*		*ON SURFACE HEATIN*			*NEL	*J. E. VAUGHN	
	IMPINGEMENT FLAT		*G AND HEATING IN *				*-DMS	
	PLATE MODEL IN TH		*SIMULATED TPS TIL*					
	E NASA-AMES 3.5-F		*E GAPS					
	OOT HYPERSONIC WI							
	ND TUNNEL (TEST I							
	H27, MODEL 15-O V							
	*III)							
	*							
TBCA	- *RESULTS OF A 0.03*0.03-SCALE AX 131*		*DETERMINE PERFORM*FORCE		*0.03	/*BOEING /	*R.D. KNUDSEN, J.	*DMS-DR-2211
BTWT	- *-SCALE AERODYNAMI*9 I-1 (CARRIER)		*NANCE, STABILITY, AN*		*0.15 -	*TBCA -	*AUGUSTYN, E. DICK*	*VOLUME O1
1431	/*C CHARACTERISTICS*ODEL		*D CONTROL CHARACT*		*0.70	*TRANSONIC WIND*	*SON/BOEING CO.	*SEPT., 1975
CA5	*INVESTIGATION OF *0.03-SCALE 45-O (*		*ERISTICS OF VARIO*			*TUNNEL	*D. A. SARVER	
CR-141,800	*A BOEING 747 CARR*ORBITER) MODEL		*US CARRIER AIRCRA*				*R. H. LINDAHL	
	*IER(MODEL NO. AX *		*FT CONFIGURATIONS*				*-DMS	
	1319 I-1) MATED W		*;INVESTIGATE AERO*					
	ITH A SPACE SHUTT		*YNAMIC CHARACTER*					
	LE ORBITER (MODEL		*ISTICS OF THE CAR*					
	*45-O) CONDUCTED *		*RIER MATED WITH T*					
	IN THE BOEING TRA		*HE ORBITER, CARRI*					
	NSONIC WIND TUNNE		*ER ALONE, AND					
	*L (CA5)		*ORBITER ALONE					
	*							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
TBCA	- *RESULTS OF A 0.03*0.03-SCALE AX 131*		DETERMINE PERFORM*	FORCE	0.03	/	*BOEING /	*R.D. KNUDSEN, J.	*DMS-DR-2211
BTWT	- *-SCALE AERODYNAMIC 9 I-1 (CARRIER) M*		ANCE, STABILITY, AN*		0.15	-	*TBCA -	*AUGUSTYN, E. DICK	*VOLUME 02
1431	/ *C CHARACTERISTICS*ODEL		*D CONTROL CHARACTER*		0.70		*TRANSONIC WIND*	*SON/BOEING CO.	*SEPT., 1975
CA5	*INVESTIGATION OF *0.03-SCALE 45-0 (*ERISTICS OF VARIO*						*TUNNEL	*D. A. SARVER	
CR-141,803	*LE ORBITER (MODEL*ORBITER) MODEL		*US CARRIER AIRCRA*					*R. H. LINDAHL	
	*45-0) CONDUCTED *		*FT CONFIGURATIONS*					*-DMS	
	IN THE BOEING TRA		*; INVESTIGATE AERO*						
	NSONIC WIND TUNNE		*DYNAMIC CHARACTER*						
	*L (CA5)		*ISTICS OF THE CAR*						
	*		*RIER MATED WITH T*						
	*		*HE ORBITER, CARRIE*						
	*		*R ALONE, AND ORBIT*						
	*		*ER ALONE						
	*		*						
TBCA	- *RESULTS OF A 0.03*0.03-SCALE AX-131*		DETERMINE PERFORM*	FORCE	0.03	/	*BOEING /	*R.D. KNUDSEN, J.	*DMS-DR-2211
BTWT	- *-SCALE AERODYNAMIC 9 I-1 (CARRIER) MO*		ANCE, STABILITY, AN*		0.15	-	*TBCA -	*AUGUSTYN, E. DICK	*VOLUME 03
1431	/ *C CHARACTERISTICS*DEL		*D CONTROL CHARACTER*		0.70		*TRANSONIC WIND*	*SON/BOEING CO.	*SEPT., 1975
CA5	*INVESTIGATION OF *0.03-SCALE 45-0 (*ERISTICS OF VARIO*						*TUNNEL	*D. A. SARVER	
CR-141,804	*A BOEING 747 CARR*ORBITER) MODEL		*US CARRIER AIRCRA*					*R. H. LINDAHL	
	IER (MODEL NO. AX-		*FT CONFIGURATIONS*					*-DMS	
	1319 I-1) MATED W		*; INVESTIGATE AERO*						
	ITH A SPACE SHUTT		*DYNAMIC CHARACTER*						
	LE ORBITER (MODEL		*ISTICS OF THE CAR*						
	*45-0) CONDUCTED *		*RIER MATED WITH T*						
	IN THE BOEING TRA		*HE ORBITER, CARRIE*						
	NSONIC WIND TUNNE		*R ALONE, AND ORBIT*						
	*L (CA5)		*ER ALONE						
	*		*						
	*		*						
ARC	- *INVESTIGATIONS OF*LAUNCH VEHICLE 5		DETERMINE INTEGRA*	FORCE	0.020	/	*ROCKWELL/	*M. E. NICHOLS/RI	*DMS-DR-2212
11TWT	- *THE 0.020-SCALE *		*TED VEHICLE SURFA*	PRESSURE	0.6	-	*ARC -	*C. R. EDWARDS	*VOLUME 01
023	/ *88-OTS INTEGRATED*		*CE-PRESSURE DISTR*		1.4		*11-FOOT TRANSO*	*-DMS	*OCT., 1976
IA80	*SPACE SHUTTLE *		*IBUTIONS, ELEVON *				*NIC WIND TUNNE*		
CR-147,632	*VEHICLE JET-PLUME*		*AND RUDDER HINGE *				*L (UNITARY)		
	*MODEL IN THE NAS *		*MOMENTS, AND WING *						
	A/AMES RESEARCH C		*AND VERTICAL-TAI *						
	*ENTER 11X11-FOOT *		*L ROOT BENDING *						
	UNITARY PLAN WIND		*AND TORSIONAL MOM*						
	*TUNNEL (IA80)		*ENTS DUE TO MPS A*						
	*		*ND SRB PLUME INTE*						
	*		*RACTIONS						
	*		*						

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT 023 IA80 CR-147,633	- *INVESTIGATIONS OF *LAUNCH VEHICLE 5 - *THE 0.020-SCALE * /*88-OTS INTEGRATED* *SPACE SHUTTLE * *VEHICLE JET-PLUME*	*LAUNCH VEHICLE 5	*DETERMINE INTEGRA* *TED VEHICLE SURFA* *CE-PRESSURE DISTR* *IBUTIONS, ELEVON * *AND RUDDER HINGE * *MOMENTS, AND WING* *AND VERTICAL-TAI * *L ROOT BENDING * *AND TORSIONAL MOM* *ENTS DUE TO MPS A* *ND SRB PLUME INTE* *RACTIONS	*FORCE *PRESSURE * * * * * * * * * * *	*0.020 / * *0.6 - * *1.4	*ROCKWELL/ *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY) *	*M. E. NICHOLS/RI *C. R. EDWARDS *-DMS	*DMS-DR-2212 *VOLUME 02 *OCT., 1976
ARC 11TWT 023 IA80 CR-147,634	- *INVESTIGATIONS OF *LAUNCH VEHICLE 5 - *THE 0.020-SCALE * /*88-OTS INTEGRATED* *SPACE SHUTTLE * *VEHICLE JET-PLUME*	*LAUNCH VEHICLE 5	*DETERMINE INTEGRA* *TED VEHICLE SURFA* *CE-PRESSURE DISTR* *IBUTIONS, ELEVON * *AND RUDDER HINGE * *MOMENTS, AND WING* *AND VERTICAL-TAI * *L ROOT BENDING * *AND TORSIONAL MOM* *ENTS DUE TO MPS A* *ND SRB PLUME INTE* *RACTIONS	*FORCE *PRESSURE * * * * * * * * * * *	*0.020 / * *0.6 - * *1.4	*ROCKWELL/ *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY) *	*M. E. NICHOLS/RI *C. R. EDWARDS *-DMS	*DMS-DR-2212 *VOLUME 03 *OCT., 1976
ARC 11TWT 023 IA80 CR-147,635	- *INVESTIGATIONS OF *LAUNCH VEHICLE 5 - *THE 0.020-SCALE * /*88-OTS INTEGRATED* *SPACE SHUTTLE * *VEHICLE JET-PLUME*	*LAUNCH VEHICLE 5	*DETERMINE INTEGRA* *TED VEHICLE SURFA* *CE-PRESSURE DISTR* *IBUTIONS, ELEVON * *AND RUDDER HINGE * *MOMENTS, AND WING* *AND VERTICAL-TAI * *L ROOT BENDING * *AND TORSIONAL MOM* *ENTS DUE TO MPS A* *ND SRB PLUME INTE* *RACTIONS	*FORCE *PRESSURE * * * * * * * * * * *	*0.020 / * *0.6 - * *1.4	*ROCKWELL/ *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY) *	*M. E. NICHOLS/RI *C. R. EDWARDS *-DMS	*DMS-DR-2212 *VOLUME 04 *OCT., 1976

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC HNT 30-31 OA89 CR-141,513	- *RESULTS OF INVESTIGATIONS ON AM O.004-SCALE 140C MO* / *004-SCALE 140C MO* *DIFIED CONFIGURAT* *ION SPACE SHUTTLE* *VEHICLE ORBITER* *MODEL (74-0) IN T* *HE NASA/LANGLEY R* *ESEARCH CENTER HY* *PERSONIC NITROGEN* *TUNNEL (OA89)*	*140C MODIFIED SPA* *CE SHUTTLE ORBIT* *R MODEL 74-0* *NAL STABILITY AND* *CONTROL CHARACTER* *ISTICS OF THE UPD* *ATED SSV CONFIGUR* *ATION IN AN INITI* *ALLY DIATOMIC MED* *IUM* *	*OBTAIN HYPERSONIC* *LONGITUDINAL AND* *LATERAL-DIRECTIO* *	*FORCE*	*0.004 / *19.8 - *19.8*	*ROCKWELL / *LARC - *HYPERSONIC NIT* *ROGEN TUNNEL	*P.J. HAWTHORNE/RI* *W.C. WOODS/LARC* *G. G. MCDONALD*	*DMS-DR-2214* *APRIL, 1975*
LTV HSWT 512 LA58 CR-144,592	- *UPPER WING SURFACE* *E BOUNDARY LAYER* / *MEASUREMENTS AND* *STATIC AERODYNAMI* *C DATA OBTAINED O* *N AN O.015-SCALE* *MODEL OF THE SSV* *ORBITER CONFIGURA* *TION 140A/B IN TH* *E LTV ASWT AT A M* *ACH NUMBER OF 4.6* *(LA58)*	*SSV ORBITER CONF* *GURATION 140A/B-O* *RBITER BOUNDARY L* *AYER CHARACTERIST* *ICS AT ANGLES OF* *ATTACK FROM -4 TO* *32 DEGREES AT A* *MACH NUMBER OF 4.* *6.THE EFFECT OF L* *ARGE GRIT WERE IN* *VESTIGATED PLUS E* *FFECTS OF LARGE N* *EGATIVE ELEVON DE* *FLECTION ON LEE-S* *IDE SEPARATION.*	*TO INVESTIGATE TH* *E NATURE OF THE O* *	*FORCE*	*4.6 - *4.6*	*LARC / *LTV - *HIGH SPEED WIN* *D TUNNEL	*BENARD SPENCER, JR* *..R.L. STALLINGS,* *E,LTV* *R. H. LINDAHL* *-DMS*	*DMS-DR-2215* *FEB., 1976*
LARC UPWT 1115 SH12F CR-141,802	- *RESULTS OF AEROTH* *ERMODYNAMIC HEATI* / *NG TEST ON A O.01* *3 SCALE MODEL SOL* *ID FOCKET BOOSTER* *IN THE NASA/LARC* *UNITARY PLAN WIN* *D TUNNEL (SH12F)*	*SRB* *	*OBTAIN AERODYNAMIC* *HEAT-TRANS* *C HEATING DATA ON* *SRB*		*0.013 / *3.7 - *3.7*	*MSFC / *LARC - *UNITARY PLAN W* *IND TUNNEL	*E. B. BREWER/MSFC* *J.T.DAVIET* *-DMS*	*DMS-DR-2216* *AUGUST, 1975*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
TBCA	- *AERODYNAMIC RESLL*	*O.03-SCALE 45-O M*	*ORBITER CONFIGURA*	*FORCE	* 0.003	, *BOEING /	*T. DZIUBALA,V. ES*	DMS-DR-2217
BTWT	- *TS OF A SEPARATIO*	*ODIFIED SSV ORBIT*	*TION 140A/B AND 7*		*R 0.003 /	*TBCA -	*PARZA,R. L. GILLI*	VOLUME 01
1431	/*N TEST(CA20) COND*	*ER 140A/B	*47 CARRIER MODELS*		*0.30 -	*TRANSONIC WIND*	*NS,M. PETROZZI,RI*	JAN., 1976
CA20	*UCTED AT THE BOEI*	*O.03-SCALE 747 CA*	*WERE TESTED TO P *		*0.60	*TUNNEL	*C. R. MULLEN,BOEI*	
CR-141,844	*NG TRANSONIC WIND*	*RRIER MODEL	*ROVIDE SIX-COMPON*				*NG AEROSPACE	
	*TUNNEL USING O.O *		*ENT FORCE AND MOM*				*D. A. SARVER	
	30-SCALE MODELS O		*ENT DATA FOR EACH*				*R. H. LINDAHL	
	F THE CONFIGURATI		*VEHICLE IN PROXI *				*-DMS	
	ON 140A/B (MODIFI		*MITY TO THE OTHER*					
	ED) SSV ORBITER (*		*AT A MATRIX OF T *					
	MODEL NO. 45-O) A		*EST CONDITIONS AN*					
	ND THE BEING 747		*D TO DETERMINE OR*					
	CARRIER (MODEL NO		*BITER TARE EFFECT*					
	*. AX 1319 I-1) *		*S TO OBTAIN SUPPO*					
	*		*RT-FREE AERODYNAM*					
	*		*ICS.					
	*		*					
TBCA	- *AERODYNAMIC RESUL*	*O.03-SCALE 45-O M*	*ORBITER CONFIGURA*	*FORCE	* 0.003	, *BOEING /	*T. DZIUBALA,V. ES*	DMS-DR-2217
BTWT	- *TS OF A SEPARATIO*	*ODIFIED SSV ORBIT*	*TION 140A/B AND 7*		*R 0.003 /	*TBCA -	*PARZA,R. L. GILLI*	VOLUME 02
1431	/*N TEST(CA20) COND*	*ER 140A/B	*47 CARRIER MODELS*		*0.30 -	*TRANSONIC WIND*	*NS,M. PETROZZI,RI*	JAN., 1976
CA20	*UCTED AT THE BOEI*	*O.03-SCALE 747 CA*	*WERE TESTED TO P *		*0.60	*TUNNEL	*C. R. MULLEN,BOEI*	
CR-141,845	*NG TRANSONIC WIND*	*RRIER MODEL	*ROVIDE SIX-COMPON*				*NG AEROSPACE	
	*TUNNEL USING O.O *		*ENT FORCE AND MOM*				*D. A. SARVER	
	30-SCALE MODELS O		*ENT DATA FOR EACH*				*R. H. LINDAHL	
	F THE CONFIGURATI		*VEHICLE IN PROXI *				*-DMS	
	ON 140A/B (MODIFI		*MITY TO THE OTHER*					
	ED) SSV ORBITER (*		*AT A MATRIX OF T *					
	MODEL NO. 45-O) A		*EST CONDITIONS AN*					
	ND THE BEING 747		*D TO DETERMINE OR*					
	CARRIER (MODEL NO		*BITER TARE EFFECT*					
	*. AX 1319 I-1) *		*S TO OBTAIN SUPPO*					
	*		*RT-FREE AERODYNAM*					
	*		*ICS.					
	*		*					

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
TBCA	- *AERODYNAMIC RESUL*	*O.03-SCALE 45-O M*	*ORBITER CONFIGURA*	FORCE	* O.003	*BOEING /	*T. DZIUBALA,V. ES*	*DMS-DR-2217
BTWT	- *TS OF A SEPARATIO*	*MODIFIED SSV ORBIT*	*TION 140A/B AND 7*		*R O.003 /	*TBCA -	*PARZA,R. L. GILLI*	*VOLUME 03
1431	/*N TEST(CA20) COND*	*ER 140A/B	*47 CARRIER MODELS*		*O.30 -	*TRANSONIC WIND*	*NS,M. PETROZZI,RI*	*JAN., 1976
CA20	*UCTED AT THE BOEI*	*O.03-SCALE 747 CA*	*WERE TESTED TO P *		*O.60	*TUNNEL	*C. R. MULLEN,BOEI*	
CR-141,846	*NG TRANSONIC WIND*	*RRIER MODEL	*ROVIDE SIX-COMPON*				*NG AEROSPACE	
	*TUNNEL USING O.O *		*ENT FORCE AND MOM*				*D. A. SARVER	
	30-SCALE MODELS O		*ENT DATA FOR EACH*				*R. H. LINDAHL	
	F THE CONFIGURATI		*VEHICLE IN PROXI *				*-DMS	
	ON 140A/B (MODIFI		*MITY TO THE OTHER*					
	ED) SSV ORBITER (*		*AT A MATRIX OF T *					
	MODEL NO. 45-O) A		*EST CONDITIONS AN*					
	ND THE BOEING 747		*D TO DETERMINE OR*					
	CARRIER (MODEL NO		*BITER TARE EFFECT*					
	*. AX 1319 I-1) *		*S TO OBTAIN SUPPO*					
	*		*RT-FREE AERODYNAM*					
	*		*ICS.					
	*		*					
AEDC	- *PRESSURE AND HEAT*	*EXTERNAL TANK	*TO OBTAIN BASIC H*	HEAT-TRANS	*O.38 -	*MSFC /	*L. G. SILER, A. H*	*DMS-DR-2218
HWTF	- *TRANSFER TESTS R *		*EATING AND PRESSU*		*1.10	*AEDC -	*. BOUDREAU/ARO	*SEPT., 1977
25A	/*RESULTS ON THE SP*		*RE DISTRIBUTION D*			*HYPERVELOCITY	*H. R. CARROLL/MMC*	
TH1F	*ACE SHUTTLE O.O15*		*ATA ON ET			*WIND TUNNEL (F*	*J. E. VAUGHN	
CR-151,367	*-SCALE EXTERNAL T*		*			*)	*-DMS	
	ANK AT MACH 16 IN		*					
	*AEDC TUNNEL F *		*					
	*		*					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL *MACH	*SCALE *RANGE	*TESTING *AGENCY	*COGNIZANT *TEST DMS *PERSONNEL	*BASIC *PUBLICATIONS *OR COMMENTS
ARC 87SWT 044	- *RESULTS OF AN INV* - *ESTIGATION OF JET*	LAUNCH VEHICLE 5	*DEFINE THE BASE P* *RESSURE ENVIRONME*	*FORCE *PRESSURE	*0.010 *2.50 -	/ *ROCKWELL/ *ARC -	*P. J. HAWTHORNE/R*	*DMS-DR-2219	
IA82C	*AN O.010-SCALE *		*NT OF THE FIRST A*		*3.50	*8-FOOT BY 7-FO*	*M. M. MANN	*VOLUME 01	
CR-144,597	*MODEL (75-OTS) OF*		*ND SECOND STAGE *			*OT SUPERSONIC *	*DMS	*APRIL, 1976	
	THE SPACE SHUTTLE		*MATED VEHICLE IN *			*WIND TUNNEL (U*			
	E INTEGRATED VEHI		*A SUPERSONIC FLOW*			*NITARY)			
	*CLE IN THE 8- BY *		*FIELD FROM MACH *						
	7-FOOT LEG OF THE		*2.50 THROUGH 3.50*						
	*NASA/AMES UNITAR *		*WITH SIMULATED RO*						
	Y WIND TUNNEL (IA		*CKET ENGINE EXHAU*						
	*82C)		*ST PLUMES. DETERM*						
			INE PRESSURE ENVI						
			RONMENT OF THE OR						
			*BITER AT VARIOUS *						
			VENT PORT LOCATIO						
			*NS.						
ARC 87SWT 044	- *RESULTS OF AN INV* - *ESTIGATION OF JET*	LAUNCH VEHICLE 5	*DEFINE THE BASE P* *RESSURE ENVIRONME*	*FORCE *PRESSURE	*0.010 *2.50 -	/ *ROCKWELL/ *ARC -	*P. J. HAWTHORNE/R*	*DMS-DR-2219	
IA82C	*AN O.010-SCALE *		*NT OF THE FIRST A*		*3.50	*8-FOOT BY 7-FO*	*M. M. MANN	*VOLUME 02	
CR-144,598	*MODEL (75-OTS) OF*		*ND SECOND STAGE *			*OT SUPERSONIC *	*DMS	*APRIL, 1976	
	THE SPACE SHUTTLE		*MATED VEHICLE IN *			*WIND TUNNEL (U*			
	E INTEGRATED VEHI		*A SUPERSONIC FLOW*			*NITARY)			
	*CLE IN THE 8- BY *		*FIELD FROM MACH *						
	7-FOOT LEG OF THE		*2.50 THROUGH 3.50*						
	*NASA/AMES UNITAR *		*WITH SIMULATED RO*						
	Y WIND TUNNEL (IA		*CKET ENGINE EXHAU*						
	*82C)		*ST PLUMES. DETERM*						
			INE PRESSURE ENVI						
			RONMENT OF THE OR						
			*BITER AT VARIOUS *						
			VENT PORT LOCATIO						
			*NS.						

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL SCALE*	TESTING AGENCY	COGNIZANT PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 20HT6 6458 LA52 TM-X 72661	- *SPACE SHUTTLE ORB* - *ITER TRIMMED CENT* /*ER-OF-GRAVITY EXT* *ENSION STUDY: VOL* *UME VIII - EFFECT* *S OF CONFIGURATIO* *N MODIFICATIONS O* *N THE AERODYNAMIC* *CHARACTERISTICS * *OF THE 140 A/B OR* *BITER AT A MACH N* *UMBER OF 5.97 *	*140 A/B SPACE SHU* *TTL ORBITER	*EFFECTS OF WING P* *LANFORM FILLET, C* *ANARD, AND FUSELA* *GE FOREBODY CAMBE* *R MODIFICATIONS O* *N THE AERODYNAMIC* *CHARACTERISTICS *	*FORCE	*O.01 / * 5.97- * 5.97	*LARC / * LARC - *20-INCH HYPERS* *ONIC TUNNEL (M*- *ACH 6)	*W.P.PHILLIPS/LARC* *D. E. POUCHER *J. L. GLYNN *-DMS	*DMS-DR-2220 *VOLUME O8 *DEC., 1984
NRLAD LSWT 737 OA143 CR-141,548	- *INVESTIGATION OF * - *SPACE SHUTTLE VEH*N /*ICLE 140C CONFIGU* *RATION ORBITER * *(MODEL 16-O) WHEE* *L WELL PRESSURE L* *OADS IN THE ROCKW* *ELL INTERNATIONAL* *7.75 X 11 FOOT W * *IND TUNNEL (OA14* *3)	*140C CONFIGURATIO* *TO DEFINE ORBITER* *WHEEL WELL PRESS * *URE LOADING AND I* *TS EFFECT ON LAND* *ING GEAR THERMAL * *INSULATION; TO IN* *VESTIGATE THE PRE* *SSURE ENVIRONMENT* *FOR THE HORIZONTA* *L FLIGHT NOSE PRO* *BE AND AIR VENT D* *OOR PROBES.	*PRESSURE	*.0405 / *.20 - *.23	*ROCKWELL/ *NRLAD - *LOW SPEED WIND*R. *TUNNEL	*R.B.RUSSELL/ R. I* *. *C. MENNELL/ R. * *I. *D. A. SARVER *W. B. MEINDERS *-DMS	*DMS-DR-2221 *JULY, 1975	
AEDC HWTB 57A OH49B CR-147,626	- *RESULTS FROM A CO*B - *NVECTIVE HEAT-TRA* /*NSFER-RATE DISTRI* *UTION TEST ON A * *O.0175 SCALE MODE* *L(22-O) OF THE RO* *CKWELL INTERNATIO* *NAL VEHICLE 4 SPA* *CE SHUTTLE CONFIG* *URATION IN THE AE* *DC-V<F TUNNEL B(O* *H49B)	*B25C10M4F10E26R5V* *7W116	*RE-ENTRY CONVECTI* *VE HEAT TRANSFER * *RATES ON THE ORBI* *TER	*HEAT-TRANS*	*O.0175 / *8.0 - *8.0	*ROCKWELL/ *AEDC - *HYPERSONIC WIN*L *D TUNNEL (B)	*B.J. HERRERA/ROCK* *WELL INTERNATIONAL* *J. E. VAUGHN *-DMS	*DMS-DR-2222 *VOLUME O1 *OCT., 1976

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *RESULTS FROM A CO*B25C10M4F10E26R5V*RE-ENTRY CONVECTI*HEAT-TRANS*				*O.0175 /	*ROCKWELL/	*B.J. HERRERA/ROCK*	*DMS-DR-2222
HWTB	- *NVECTIVE HEAT-TRA*7W116		*VE HEAT TRANSFER *		*8.0 -	*AEDC -	*WELL INTERNATIONAL*	*VOLUME 02
57A	/ *NSFER-RATE DISTRI*		*RATES ON THE ORBI*		*8.0	*HYPERSONIC WIN*L		*NOV., 1976
OH49B	*BUTION TEST ON A *		*TER			*D TUNNEL (B)	*J. E. VAUGHN	
CR-147,627	*O.0175 SCALE MODE*						*-DMS	
	L(22-O) OF THE RO							
	CKWELL INTERNATIO							
	NAL VEHICLE 4 SPA							
	CE SHUTTLE CONFIG							
	URATION IN THE AE							
	DC-VKF TUNNEL B(O							
	*H49B)							
MSFC	- *REENTRY STATIC ST*ORB.W/ ATTACH RIN*TO ESTABLISH STAT*FORCE				*0.4 -	*MSFC /	*J. D. JOHNSON/MSF*	*DMS-DR-2223
14TWT	- *ABILITY CHARACTER*G,AFT RING,W/AND *IC STABILITY CHAR*				*4.45	*MSFC -	*C	*JULY, 1975
604	/ *ISTICS OF A .0054*W/O PROTUBERANCES*ACTERISTICS OF SR*					*14-INCH TRISON*	*S. C. PRAHARAJ, W*	
SABF	*79 SCALE MODEL 14*, NOSE CAP		*B DURING REENTRY *			*IC WIND TUNNEL*	*F. BRADDOCK/NSI*	
CR-141,549	*6-INCH SOLID ROCK*ORB.W/ ALL PROTUB*						*R. B. LOWE	
	*ET BOOSTER TESTED*ERANCES;						*-DMS	
	*IN THE NASA/MSFC *ORB.W/O HEAT SHIE*							
	*14X14 INCH TWT *LD							
LARC	- *RESULTS OF A DRAG*72-OTS (ORB., ET,*INVESTIGATION OF *FORCE				*0.010 /	*LARC /	*BERNARD SPENCER,J*	*DMS-DR-2224
LARC	- *REDUCTION INVEST *SRM)		*SPACE SHUTTLE LAU*		*0.6 -	*LARC -	*R./LARC	*MARCH, 1978
699	/ *IGATED ON AN 0.01*		*NCH VEHICLE DRAG *		*1.2	*NASA LANGLEY R*	*GEORGE M. WARE/LA*	
8TPT	- *O-SCALE MODEL OF *		*REDUCTION AT MACH*			*ESEARCH CENTER*RC		
LA56	*THE SPACE SHUTTLE*		*NUMBERS 0.35 TO 1*			*8-FOOT TRANSON*	*J. W. BALL	
CR-147,650	*VEHICLE 72-OTS L *		*.20			*IC PRESSURE TU*	*G. G. McDONALD	
	AUNCH CONFIGURATI					*NNEL	*-DMS	
	*ON TESTED IN THE *							
	LARC 8-FOOT TRANS							
	ONIC PRESSURE TUN							
	*NEL FOR THE MACH *							
	*RANGE OF 0.35 TO *							
	*1.20 (LA56)							
	*							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *PHASE CHANGE PAIN*	MODEL 21-O, LINES*	TO EVALUATE AEROD*	HEAT-TRANS*	O.0175 /	*RI /	*M. QUAN, C. W. CRA*	DMS-DR-2225
HWTB	- *T TESTS TO INVEST*	VL70-000139	*YNAMIC HEATING EF*		*8 -	*AEDC -	*IG/RI	*MARCH, 1975
VA352	/*IGATE EFFECTS OF *		*FFECTS OF TILES IN*		*8	*HYPERSONIC WIN*	*D. A. SARVER	
OH4C	*TPS TILES ON HEAT*		*THE TPS. TILE GA *		*	*D TUNNEL (B)	*M. M. MOSER JR.	
CR-141,505	*ING RATES OF THE *		*P DEPTH AND ORIEN*		*		*-DMS	
	ROCKWELL SPACE SH		*TATION TO THE FLO*		*			
	UTTLE ORBITER (TE		*W WERE INVESTIGAT*		*			
	ST OF-4C, MODEL 21		*ED.		*			
	*-O)				*			
					*			
AEDC	- *RESULTS OF FLOW V*	SPACE SHUTTLE VEH*	OIL FLOW VISUALIZ*	FORCE	* 3.75-	*RI /	*J.J.DAILED/ROCKW*	DMS-DR-2226
SWTA	- *ISUALIZATION TEST*	ICLE CONFIGURATIO*			* 5.03	*AEDC -	*ELL	*FEB., 1975
VA422	/*S OF 0.010-SCALE *	N 3 MODEL 32-OTS *			*	*SUPERSONIC WIN*	*W.R.MARTINDALE/AR*	
11AA	/*SPACE SHUTTLE *	SPACE SHUTTLE ORB*			*	*D TUNNEL (A)	*D, INC.	
1A61B	*MODELS 32-OTS AND*	ITER MODEL 52-D			*		*D. A. SARVER	
CR-141,507	*52-D IN THE AEDC *				*		*G. G. MCDONALD	
	*VKF TUNNEL A (IA *				*		*-DMS	
	*61B)				*			
					*			
MSFC	- *RESULTS OF EXPERI*	ORB./W/ET AND SRB*	EFFECTIVENESS OF *	FORCE	* 0.0040 /	*RI /	*E. C. ALLEN/R. I.	DMS-DR-2227
14TWT	- *MENTAL TESTS IN T*	740TS; ORB. W/ET *	*SEVERAL LOAD RELI*		*0.60 -	*MSFC -	*D.B. WATSON	*NOV., 1975
610	/*HE MSFC 14X14 INC*	AND SRB'S 770, 7 *	*EF SCHEMES ON WIN*		*1.96	*14-INCH TRISON*	*-DMS	
IA71	*H TR SONIC TUNNEL*	4TS	*G TORSIONAL AND B*		*	*IC WIND TUNNEL*		
CR-141,806	*ON A .004 SCALE M*		*ENDING MOMENTS AT*		*			
	ODEL SPACE SHUTTL		*SUBSONIC + SUPER *		*			
	E INTEGRATED VEHI		*SONIC MACH NO'S E*		*			
	CLE 5 (MODEL 77-O		*N COUNTERED DURING*		*			
	, 74-TS) TO RELIE		*LAUNCH		*			
	VE WING LOADS DUR				*			
	ING ASCENT (IA71)				*			
					*			
LARC	- *			FORCE	*	*LARC /	*D.B. WATSON	DMS-DR-2228
UPWT	- *				*	*LARC -	*-DMS	TO LRC
1092/1117/*					*	*UNITARY PLAN W*		
1117	/*				*	*IND TUNNEL		
LA46A/B	*				*			
	*				*			

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 8TPT 687 0A102 CR-141,508	*RESULTS OF FLOW-V*SSV 140A/B *ISUALIZATION INVE* /*STIGATIONS ON A O* *.015-SCALE MODIFI* *ED CONFIGURATION * *140A/B SPACE SHUT* *TLE VEHICLE ORBIT* *ER (MODEL 36-O) I* *N THE LANGLEY RES* *EARCH CENTER * *	*TO DETERMINE SEPA*FORCE *RATION ZONES, FLO* *W-RECIRCULATION R* *EGIONS, AND POTEN* *TIAL VENTING AND * *CONTAMINANT-INGES* *TION PROBLEM AREA* *S	*TO DETERMINE SEPA*FORCE *RATION ZONES, FLO* *W-RECIRCULATION R* *EGIONS, AND POTEN* *TIAL VENTING AND * *CONTAMINANT-INGES* *TION PROBLEM AREA* *S	*0.015 / *0.6 - *1.2	*ROCKWELL/ *LARC - *8-FOOT TRANSON* *IC PRESSURE TU*-DMS	*M. E. NICHOLS/RI *D. A. SARVER *G. G. MCDONALD	*DMS-DR-2229 *FEB., 1975	
AEDC HWTB VA422 IA178 CR-141,509	*RESULTS OF OIL FL*ORBITER-TANK MATE* *OW VISUALIZATIONS*D, MODEL 52-OT /*TESTS OF AN O.01 * *O-SCALE MODEL (52* *--OT) OF THE SPACE* *SHUTTLE ORBITER- * *TANK MATED AND OR* *BITER CONFIGURATI* *ONS IN THE AEDC V* *KF TUNNEL B (IA17* *B) *	*TO INVESTIGATE AE*FORCE *RODYNAMIC FLOW PA* *TTERNS USING OIL * *FLOW TECHNIQUES * *	*TO INVESTIGATE AE*FORCE *RODYNAMIC FLOW PA* *TTERNS USING OIL * *FLOW TECHNIQUES * *	*0.010 / *7.95 - *7.95	*ROCKWELL/ *AEDC - *HYPERSONIC WIN* *D TUNNEL (B) *-DMS	*J. J. DAILED/RI *D. A. SARVER *G. G. MCDONALD	*DMS-DR-2230 *FEB., 1975	
ARC 97SWT 044 IA82B CR-144,601	*RESULTS OF AN INV*LAUNCH VEHICLE 5 *ESTIGATION OF JET* /*PLUME EFFECTS ON * *AN O.010-SCALE * *MODEL (75-OTS) OF* *THE SPACE SHUTTL * *E INTEGRATED VEHI* *CLE IN THE 9- BY * *7-FOOT LEG OF THE* *NASA/AMES UNITAR * *Y WIND TUNNEL (IA* *82C) *	*DEFINE THE BASE P*FORCE *RESSURE ENVIRONME*PRESSURE *NT OF THE FIRST A* *ND SECOND STAGE * *MATED VEHICLE IN * *A SUPERSONIC FLOW* *FIELD FROM MACH * *1.55 THROUGH 2.20* *	*DEFINE THE BASE P*FORCE *RESSURE ENVIRONME*PRESSURE *NT OF THE FIRST A* *ND SECOND STAGE * *MATED VEHICLE IN * *A SUPERSONIC FLOW* *FIELD FROM MACH * *1.55 THROUGH 2.20* *	*0.010 / *1.55 - *2.20	*ROCKWELL/ *ARC - *9-FOOT BY 7-FO* *OT SUPERSONIC *-DMS *WIND TUNNEL (U* *NITARY)	*P. J. HAWTHORNE/R *I *M. M. MANN	*DMS-DR-2231 *VOLUME 01 *APRIL, 1976	

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 97SWT 044 IA82B CR-144,602	- *RESULTS OF AN INVESTIGATION OF JET PLUME EFFECTS ON AN O.010-SCALE MODEL (75-OTS) OF THE SPACE SHUTTLE INTEGRATED VEHICLE IN THE 9- BY 7-FOOT LEG OF THE NASA/AMES UNITARY WIND TUNNEL (IA82C)	*LAUNCH VEHICLE 5	*DEFINE THE BASE PRESSURE ENVIRONMENT OF THE FIRST AND SECOND STAGE MATED VEHICLE IN A SUPERSONIC FLOW FIELD FROM MACH 1.55 THROUGH 2.20	*FORCE PRESSURE	*0.010 / *1.55 - *2.20	*ROCKWELL/ *ARC - *9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	*P. J. HAWTHORNE/ *I. M. MANN	*DMS-DR-2231 *VOLUME 02 *APRIL, 1976
MSFC 14TWT 607 OA131 CR-141,521	- *RESULTS OF INVESTIGATIONS ON THE O*4 / *0.04-SCALE MODEL *74-O OF THE CONFIGURATION 4 (MODIFIED) SPACE SHUTTLE VEHICLE ORBITER IN THE NASA/MSFC *14-BY-14-INCH TRANSONIC WIND TUNNEL (OA131)	*MODEL 74-O, CONF.	*TO DETERMINE BOUNDARY-LAYER SEPARATION AND REGIONS OF POTENTIAL APUR EXHAUST RECIRCULATION DURING TRANSONIC AND LOW SUPERSONIC RE-ENTRY FLOW LIGHT	*FORCE	*0.004 / *0.60 - *2.75	*ROCKWELL/ *MSFC - *14-INCH TRISONIC WIND TUNNEL	*M. E. NICHOLS/ *D. A. SARVER *M. M. MOSER JR.	*DMS-DR-2232 *JUNE, 1975
LARC 8TPT 703 LA59 CR-151,068	- *RESULTS OF A DRAG INVESTIGATION ON AN O.06PS1-10-SCALE MODEL OF THE SPACE SHUTTLE VEHICLE 72-OTS LAUNCH CONFIGURATION TESTED IN THE LARC 8-FOOT TRANSONIC PRESSURE TUNNEL FOR THE MACH RANGE OF 0.3K TO 1.20	*72-OTS (B26C9E44F10FL10/11M16N28/8CTS OF VARIOUS CONFIGURATIONAL COMPOSITIONS ON TOTAL DRAG OF VEH. 5	*TO DETERMINE EFFECTS OF VARIOUS CONFIGURATIONAL COMPOSITIONS ON TOTAL DRAG OF VEH. 5	*FORCE	*0.35 - *1.20	*LARC / *LARC - *8-FOOT TRANSONIC PRESSURE TUNNEL	*B. SPENCER, JR., *G. M. WARE/ *J. E. VAUGHN *M. M. MOSER JR.	*DMS-DR-2233 *JUNE, 1977

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
CALSPAN - 48HST I84-220 OA113 CR-141,547	*WIND TUNNEL TEST *OA113 OF THE O.01 INCH AND BODY FLAP DEFLECTIONS /*O-SCALE SPACE SHUTTLE ORBITER MODE*L 51-O IN THE CALSPAN HYPersonic S-HOCK TUNNEL (48-INCH LEG)	*ORBITER WITH ELEVATION AND BODY FLAP TERACTION EFFECTSON STABILITY DERIVATIVES OVER THE RE-ENTRY MACH SPECTRUM TOGETHER WITH SCHLIEREN PHOTOGRAPHY AND PRESSURE DISTRIBUTION UTILIZED TO EVALUATE FLOW SEPARATION PHENOMENA	*OBTAIN VISCOUS INTERFERENCE FORCE	*	*0.010 / *ROCKWELL/ *10.0 - *CALSPAN - *16.0 *48-INCH HYPERSONIC SHOCK TUNNEL	*RICK BURROWS, JOHN MARROQUIN/R.I. *C. E. ROGERS/CALSPAN CORP.	*DMS-DR-2234 *JULY, 1975	
MSFC 14TWT 611 SA30F CR-141,810	*REENTRY AERO-DYNAMIC MODEL, W/HEAT SHIELD ON NOZZLE OF THE 1/46-INCH SOLID ROCKET BOOSTER MODEL #473 IN MSFC 14 X 1/4 INCH TRISONIC WIND TUNNEL (SA30F)	*SRB W/O HEAT SHIELD TO DETERMINE AERODYNAMIC FORCES AND MOMENTS IMPOSED ON SRB NOZZLE DURING REENTRY	*FORCE	*	*1.95 - *MSFC / *3.48 *MSFC -	*J. D. JOHNSON/MSFC *C	*DMS-DR-2235 *NOV., 1975	
UW LS WT 1146 CA11 CR-141,835	*MATED AERO-DYNAMIC CHARACTERISTICS WITH AN EXTERNAL INVESTIGATION FOR BOEING 747 CAM/EXTERNAL TANK (MODEL AX1284 E-5) COMBINATION IN THE UNIVERSITY OF WASHINGTON AERONAUTICAL LABORATORY F.K. KIRSTEN WIND TUNNEL (CA11)	*TO DETERMINE AIRLOADS FOR SELECTED CONFIGURATIONS AND DETERMINE EFFECTIVENESS OF ET POSITION, ET INCIDENT, SUPPORT STRUCTURE AND 747 VERTICAL STABILIZATION SURFACES ON STABILITY, CONTROL AND PERFORMANCE OF 747/ET COMBINATION	*FORCE	*	*0.04 / *BOEING / *.15 - *UW - *.15 *LOW SPEED WIND TUNNEL	*R.D.KNUDSEN/BOEING *G *D. A. SARVER *W. B. MEINDERS *-DMS	*DMS-DR-2236 *DEC., 1975	

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL SCALE*	MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
CALSPAN - 48HST I84-120 OA93 CR-141,	*RESULTS OF WIND T*51-0 *UNNEL RCS INTERAC* TION TESTS ON A O* .010-SCALE SPACE * SHUTTLE ORBITER M*		*TO DETERMINE EFPE* CTS OF RCS JET/FL* OW FIELD INTERACT* IONS ON SSV AERO.* STABILITY AND CON*	*FORCE	*0.010 / *9.60 - *10.75		*ROCKWELL/ CALSPAN - 48-INCH HYPERS* ONIC SHOCK TUN*	*J. J. DAILEDIA, J. MARROQUIN/RI C. E. ROGERS/CALS*	*DMS-DR-2238 NOV., 1976
	ODEL (51-0) IN TH E CALSPAN CORPORA* TION 48-INCH HYPE* RSONIC SHOCK TUNN* EL		*TROL CHARACTERIST* ICS AT VARIOUS HY* PERSONIC MACH AND* REYNOLDS NUMBERS *		*		*NEL *V. W. SPARKS *V. W. SPARKS *-DMS	*	*
LARC 8TPT 676 LA38B	- * - * /* *			*FORCE	*		*LARC / LARC - 8-FOOT TRANSON* IC PRESSURE TU*	*J. E. VAUGHN D.B. WATSON -DMS	*DMS-DR-2239 TO LRC
AEDC SWTA A4A IH41A CR-151,054	- *RESULTS OF AN INV*60-OTS THERMOCOUP* ESTIGATION OF THE*LE MODEL SPACE SHUTTLE IN * TEGATED VEHICLE * AEROODYNAMIC HEATI* NG CHARACTERISTIC* S OBTAINED USING * THE 0.0175-SCALE * MODEL 60-OTS IN T* HE AEDC TUNNEL A * DURING TESTS IH41* AND IH41A		*TO OBTAIN HEAT TR* ANSFER DATA ON SS* INTEGRATED VEHIC * LE DURING ASCENT * OF FLIGHT PROFILE*	*HEAT-TRANS	*2.5 - *4.5		*ROCKWELL/ AEDC - SUPERSONIC WIN* D TUNNEL (A)	*J. W. CUMMINGS, W H. DYE/RI D. A. SARVER M. M. MANN -DMS	*DMS-DR-2240 APRIL, 1977
AEDC HWTB 74A OH39 CR-160,490	- *AN INVESTIGATION * OF ENTRY HEATING *4 ON THE 0.0175 SCA* LE SPACE SHUTTLE * ORBITER (MODEL 60* -O) IN THE AEDC U* KF TUNNEL B	*MODEL 60-3, VEH.	*TO INVESTIGATE EN* TRY HEATING	*HEAT-TRANS	*0.0175 / *8.0 -		*ROCKWELL/ AEDC - HYPERSONIC WIN* D TUNNEL (B)	*B. J. HERRERA/RI J. E. VAUGHN G. R. LUTZ -DMS	*DMS-DR-2241 VOLUME 01 JULY, 1980

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *AN INVESTIGATION	*MODEL 60-3, VEH.	*TO INVESTIGATE EN	*HEAT-TRANS	*0.0175 /	*ROCKWELL/	*B. J. HERRERA/RI	*DMS-DR-2241
HWTB	- *OF ENTRY HEATING	*4	*TRY HEATING	*	*8.0 -	*AEDC -	*J. E. VAUGHN	*VOLUME 02
74A	/*ON THE 0.0175 SCA*		*	*	*	*HYPERSONIC WIN	*G. R. LUTZ	*JULY, 1980
CH39	*LE SPACE SHUTTLE *		*	*	*	*D TUNNEL (B)	*-DMS	*
CR-160,491	*ORBITER (MODEL 60*		*	*	*	*	*	*
	-O) IN THE AEDC U		*	*	*	*	*	*
	*KF TUNNEL B *		*	*	*	*	*	*
	*		*	*	*	*	*	*
AEDC	- *AN INVESTIGATION	*MODEL 60-3, VEH.	*TO INVESTIGATE EN	*HEAT-TRANS	*0.0175 /	*ROCKWELL/	*B. J. HERRERA/RI	*DMS-DR-2241
HWTB	- *OF ENTRY HEATING	*4	*TRY HEATING	*	*8.0 -	*AEDC -	*J. E. VAUGHN	*VOLUME 03
74A	/*ON THE 0.0175 SCA*		*	*	*	*HYPERSONIC WIN	*G. R. LUTZ	*JULY, 1980
CH39	*LE SPACE SHUTTLE *		*	*	*	*D TUNNEL (B)	*-DMS	*
CR-160,492	*ORBITER (MODEL 60*		*	*	*	*	*	*
	-O) IN THE AEDC U		*	*	*	*	*	*
	*KF TUNNEL B *		*	*	*	*	*	*
	*		*	*	*	*	*	*
AEDC	- *AN INVESTIGATION	*MODEL 60-3, VEH.	*TO INVESTIGATE EN	*HEAT-TRANS	*0.0175 /	*ROCKWELL/	*B. J. HERRERA/RI	*DMS-DR-2241
HWTB	- *OF ENTRY HEATING	*4	*TRY HEATING	*	*8.0 -	*AEDC -	*J. E. VAUGHN	*VOLUME 04
74A	/*ON THE 0.0175 SCA*		*	*	*	*HYPERSONIC WIN	*G. R. LUTZ	*JULY, 1980
CH39	*LE SPACE SHUTTLE *		*	*	*	*D TUNNEL (B)	*-DMS	*
CR-160,493	*ORBITER (MODEL 60*		*	*	*	*	*	*
	-O) IN THE AEDC U		*	*	*	*	*	*
	*KF TUNNEL B *		*	*	*	*	*	*
	*		*	*	*	*	*	*
AEDC	- *AERODYNAMIC RES	JL*52-OTS	*TO OBTAIN DATA W	*FORCE	*0.010 /	*ROCKWELL/	*E. CHEE/RI	*DMS-DR-2242
SWTA	- *TS OF A SEPARATIO*		*TH THE SRB IN PRO*	*	*4.5 -	*AEDC -	*R. BURT/ARO	*VOLUME 01
A3A	/*N EFFECTS TEST ON*		*XIMITY TO THE O/E*	*	*	*SUPERSONIC WIN	*J. E. VAUGHN	*MARCH, 1976
IA111	*A 0.010-SCALE M)		*T OVER A LARGE O1*	*	*	*D TUNNEL (A)	*M. M. MOSER JR.	*
CR-141,831	*DEL (52-OTS) OF T*		*ET INITIAL ANGLE *	*	*	*	*-DMS	*
	HE INTEGRATED SSV		*OF ATTACK AND SID*	*	*	*	*	*
	*IN THE AEDC/VKF *		*ESLIP	*	*	*	*	*
	40-BY-40 INCH SJP		*	*	*	*	*	*
	ERSONIC WIND TUNN		*	*	*	*	*	*
	*EL A (IA111)		*	*	*	*	*	*
	*		*	*	*	*	*	*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC SWTA A3A IA111 CR-144,588	- *AERODYNAMIC RES IL*52-OTS - *TS OF A SEPARAT O* /*N EFFECTS TEST IN* *A O.010-SCALE M)* *DEL (52-OTS) OF T* *HE INTEGRATED S.V* *IN THE AEDC/VKF* *40-BY-40 INCH SJP* *ERSONIC WIND TUNN* *EL A (IA111)*		*TO OBTAIN DATA WI*FORCE *TH THE SRB IN PRO* *XIMITY TO THE O/E* *T OVER A LARGE O1* *ET INITIAL ANGLE* *OF ATTACK AND SID* *ESLIP		*0.010 / *4.5 -		*ROCKWELL/ *AEDC - *SUPERSONIC WIN* *D TUNNEL (A) *M. M. MOSER JR. *-DMS	*E. CHEE/RI *R. BURT/ARO *J. E. VAUGHN *M. M. MOSER JR. *-DMS	*DMS-DR-2242 *VOLUME 02 *MARCH, 1976
ARC 14-TWT O80 CA23A (R-144,583	- *RESULTS OF AN AER*MODEL 48-O/AX1318* - *ODYNAMIC INVESTIG*I-1 O.0125 SCALE /*ATION OF A SPACE* *SHUTTLE ORBITER/7* *47 CARRIER VEHICL* *E CONFIGURATION T* *O ESTABLISH A FRE* *E-STREAM DATA BAS* *E FOR ALT SEPARAT* *ION INVESTIGATION* *S UTILIZING A O.O* *125-SCALE MODEL (* *48-/OAX1318I-1) I* *N THE ARC 14-FOOT* *WIND TUNNEL (CA2* *3A)*		*FORCE AND MOMENT *FORCE *DATA WERE OBTAIN* *D FOR THE CARRIER* *AND ORBITER SEPA* *RATELY AND MATED* *FOR PRE-LAUNCH AN* *D FREE AIR DATA B* *ASE FOR PLANNED S* *EPARATION TESTS O* *F THE CARRIER ALT* *CONFIGURATION.*		*0.0125 / *0.3 - *0.7		*ROCKWELL/ *ARC - *14-FOOT TRANSO*-DMS *NIC WIND TUNNE* *L	*J. E. VAUGHN *R. H. LINDAHL *-DMS	*DMS-DR-2243 *JAN., 1976
MSFC 14TWT G03 SA28F CR-151,082	- *AN INVESTIGATION *146-INCH WITH AND* - *TO DETERMINE THE *WITHOUT PROTUBER /*STATIC PRESSURE D*ANCES *ISTRIBUTION OF TH* *PACE SHUTTLE SOLI* *D ROCKET BOOSTER* *(MSFC MODEL NUM3E* *R 468) DURING FEE* *NTRY IN THE NASA/* *MSFC 14 INCH TRIS* *ONIC WIND TUNNEL*		*TO OBTAIN STATIC *PRESSURE *PRESSURE DISTRIBU* *TIONS FOR THE SRB* *AT REENTRY ATTIT* *UDES AND FLIGHT C* *ONDITIONS		*.40 - *.45		*MSFC / *MSFC - *14-INCH TRISON* *IC WIND TUNNEL* *-DMS	*W. F. BRADDOCK, G *D. STREBY/NSI *V. W. SPARKS *M. M. MOSER JR. *-DMS	*DMS-DR-2244 *AUGUST, 1977

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	SCALE TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11,97,87-094	RESULTS OF AN INVESTIGATION TO DETERMINE LOCAL TOTAL AND STATIC PRESSURE ENVIRONMENTS FOR THE AIR DATA PROBE LOCATIONS AND RELATIVE EFFECTIVENESS OF ALTERNATE FLIGHT TEST PROBE CONFIGURATIONS	SPACE SHUTTLE VEHICLE ORBITER 140A/B (MODIFIED)	TO DETERMINE LOCAL TOTAL AND STATIC PRESSURE ENVIRONMENTS FOR THE AIR DATA PROBE LOCATIONS AND RELATIVE EFFECTIVENESS OF ALTERNATE FLIGHT TEST PROBE CONFIGURATIONS	FORCE	0.030 / 0.30 - 3.5	ROCKWELL / ARC	M.R.NICHOLS / R.I.	DMS-DR-2245 VOLUME 01
094	TERMINAL LOCAL FLOW/B (MODIFIED)							
0A161A/B/C	CHARACTERISTICS							
CR-147,618	AT THE AIR DATA PROBE LOCATIONS USING AN 0.030-SCALE MODEL (45-0) OF THE SPACE SHUTTLE VEHICLE ORBITER CONFIGURATION 140A/B (MODIFIED) IN THE NASA AMES RESEARCH CENTER UNITARY PLAN WIND TUNNEL ()							
ARC 11,97,87-094	RESULTS OF AN INVESTIGATION TO DETERMINE LOCAL TOTAL AND STATIC PRESSURE ENVIRONMENTS FOR THE AIR DATA PROBE LOCATIONS AND RELATIVE EFFECTIVENESS OF ALTERNATE FLIGHT TEST PROBE CONFIGURATIONS	SPACE SHUTTLE VEHICLE ORBITER 140A/B (MODIFIED)	TO DETERMINE LOCAL TOTAL AND STATIC PRESSURE ENVIRONMENTS FOR THE AIR DATA PROBE LOCATIONS AND RELATIVE EFFECTIVENESS OF ALTERNATE FLIGHT TEST PROBE CONFIGURATIONS	FORCE	0.030 / 0.30 - 3.5	ROCKWELL / ARC	M.R.NICHOLS / R.I.	DMS-DR-2245 VOLUME 02
094	TERMINAL LOCAL FLOW/B (MODIFIED)							
0A161A/B/C	CHARACTERISTICS							
CR-147,619	AT THE AIR DATA PROBE LOCATIONS USING AN 0.030-SCALE MODEL (45-0) OF THE SPACE SHUTTLE VEHICLE ORBITER CONFIGURATION 140A/B (MODIFIED) IN THE NASA AMES RESEARCH CENTER UNITARY PLAN WIND TUNNEL ()							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 12PT 086 LA65 CR-144,600	- *LOW SUBSONIC AERO* - *DYNAMIC CHARACTER* /*ISTICS OF FIVE IR* *REGULAR PLANFORM* *WINGS WITH SYSTEM* *ATICALLY VARYING* *WING FILLET GEOME* *TRY TESTED IN THE* *NASA/AMES 12-FOOT* *PRESSURE TUNNEL* *(LA65)	*WING-BODY WITH VA* *RIATIONS* *NT CHARACTERISTIC* *S AS A FUNCTION O* *F RN/L*	*EFFECT OF PLANFOR* *M ON FORCE + MOMEN* *T*	*FORCE*	*.08 - *.30		*LARC / *ARC - *12-FOOT PRESSU* *RE TUNNEL* *ASA LANGLEY* *D.B. WATSON* *-DMS*	*GEORGE WARE/NASA* *LANGLEY* *BERNARD SPENCER/N* *ASA LANGLEY* *D.B. WATSON* *-DMS*	*DMS-DR-2246* *JULY, 1976*
AEDC HWTF 28A OA160 CR-141,834	- *RESULTS OF AN INV* - *ESTIGATION OF FYP* /*ERSONIC VISCOUS I* *INTERACTION EFFECT* *S OF THE SPACE SH* *UTTLE ORBITER USI* *NG A 0.01/ SCALE* *MODEL (51-O) IN T* *HE AEDC-VKF TUNNE* *L F*	*MODEL 51-O OF MOD* *RSONIC VISCOUS IN* *(B26 C9 E26 F7 M* *7 N28 R5 V8 W116)* *S OF THE SPACE SH* *UTTLE ORBITER USI* *NG A 0.01/ SCALE* *MODEL (51-O) IN T* *HE AEDC-VKF TUNNE* *L F*	*TO DETERMINE HYPE* *RSONIC VISCOUS IN* *TERACTION EFFECTS* *S OF THE SPACE SH* *UTTLE ORBITER USI* *NG A 0.01/ SCALE* *MODEL (51-O) IN T* *HE AEDC-VKF TUNNE* *L F*	*FORCE*	*0.010 / *.19 - *.19		*ROCKWELL/ *AEDC - *HYPERVELOCITY* *WIND TUNNEL (F* *)	*D. J. ELDER/RI* *J. E. VAUGHN* *-DMS*	*DMS-DR-2247* *JAN., 1976*
ARC 3.5HWT 211 IH48 CR-144,599	- *RESULTS OF HEAT T* - *RANSFER TESTS OF* /*A 0.0175-SCALE SP* *ACE SHUTTLE VEHIC* *LE 5 MODEL (60-OT* *S) IN THE NASA-AM* *ES RESEARCH CENTE* *R 3.5-FOOT HYPERS* *ONIC WIND TUNNEL* *(TEST IH48)	*60 OTS SPACE SHUT* *TLE VEHICLE 5* *A 0.0175-SCALE SP* *ACE SHUTTLE VEHIC* *LE 5 MODEL (60-OT* *S) IN THE NASA-AM* *ES RESEARCH CENTE* *R 3.5-FOOT HYPERS* *ONIC WIND TUNNEL* *(TEST IH48)	*TO OBTAIN AERODYN* *AMIC INTERFERENCE* *HEATING DATA ON* *THE EXTERNAL TANK* *IN THE TANK ALONE* *, SECOND-, AND FI* *RST-STAGE CONFIGU* *RATIONS*	*HEAT-TRANS*	*0.0175 / *5.2 - *5.3		*ROCKWELL/ *ARC - *3.5-FOOT HYPER* *SONIC WIND TUN* *NEL*	*W. H. DYE/RI* *W. K. LOCKMAN/ARC* *R. B. LOWE* *-DMS*	*DMS-DR-2248* *APRIL, 1976*

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL SCALE MACH RANGE*	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
CALSPAN - 48HST I85-131 / 96HST IH33 CR-151,775	- *RESULTS OF SPACE SHUTTLE HEAT TRANSFER TESTS USING A 0.01-SCALE MODEL IN THE CALSPAN HYPERSONIC C SHOCK TUNNEL (TEST IH33)	*37-OT SPACE SHUTTLE ORBITER/EXTERNAL TANK	*TO DETERMINE, AT HIGH MACH NUMBERS, AERODYNAMIC HEATING RATES ON THE ORBITER/TANK INTERFACE AND SUPPORT STRUCTURE AND THE HEATING EFFECT OF A BLUNT NOSE CAP ON THE EXTERNAL TANK NOSE SECTION.	*	*.01 / 5.5-24.0	*ROCKWELL/CALSPAN - 48-INCH HYPERSONIC SHOCK TUNNEL	*H.R. BRUES+LE/RI *C.E. WITTLIFF/CALSPAN	*DMS-DR-2249 JUNE, 1979
ARC 3.5HWT 182 OH43 CR-141,539	- *RESULTS OF CONVECTIVE HEATING TESTS OF A LONGITUDINAL GAP ON THE ROCKWELL FLAT PLATE MODEL (15-O, INSERT VII) IN THE NASA/AMES 3.5 FOOT HYPersonic WIND TUNNEL (TEST OH43)	*15-O, FLAT PLATE MODEL	*TO INVESTIGATE AERO-DYNAMIC HEATING RATES IN TPS GAPS AT VARIOUS DEPTHS, WIDTHS, LENGTHS, AND ORIENTATIONS TO THE FLOW.	*	*1.0 / 5.1-5.1	*ROCKWELL/ARC - 3.5-FOOT HYPERSONIC WIND TUNNEL	*M. QUAN/RI *W. K. LOCKMAN/ARC *M. MOSER JR.	*DMS-DR-2250 JULY, 1975
AEDC HWTB VA353 OH9 CR-141,540	- *RESULTS OF TESTS ON A ROCKWELL INTERNATIONAL SPACE SHUTTLE ORBITER (NO. 139) CONFIGURATION N O.0175-SCALE MODEL (NO. 29-O) IN AIDC TUNNEL B TO DETERMINE BOUNDARY LAYER CHARACTERISTICS	*29-O/VL70-O	*TO DETERMINE BOUNDARY LAYER CHARACTERISTICS OVER A LOWER SURFACE OF AN ORBITER	*	*8.0 - 8.0	*ROCKWELL/AEDC - HYPersonic WIND TUNNEL (B)	*M. QUAN/RI *W. MARTINDALE/ARO *D. A. SARVER *D.B. WATSON	*DMS-DR-2251 JUNE, 1975

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	SCALE TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC HWTB 83A OH25A CR-141,546	- *HEAT TRANSFER PHA*ORB.; 40(SEMISPA*TO INVESTIGATE PL*HEAT-TRANS*O.0175 / - *SE CHANGE PAINT T*N; BODY FLUSH; LE*ANFORM AREA REDUC* /*ESTS OF O.0175-SC*AD. EDGE; TRANSIT*TION CROSSFLOW EF* *ALE MODELS (NOS. *ION;SEMISPAN WING*FECTS ON VEHICLE *	*THE ROCKWELL INT *	*3 ORBITER CONFIGU*	*RATIONS TO SET TH*	*ROCKWELL/ *AEDC - *HYPERSONIC WIN* *D TUNNEL (B) *-DMS	*W. H. DYE/RI *D. A. SARVER *M. M. MOSER JR.	*DMS-DR-2252 *JULY, 1975	
	21-O AND 46-O) OF							
	*ERNATIONAL SPACE *							
	SHUTTLE ORBITER I							
	N THE AEDC TUNNEL							
	*B HYPERSONIC WIN *							
	D TUNNEL (TEST OH							
	*25A)							
MSFC 14TWT 622 IA125 CR-144,833	- *AN INVESTIGATION *77-O, 77-OTS - *IN THE MSFC TNT T* /*O DETERMINE SPOIL* *ER EFFECTS ON WIN* *G LOADS AND ELEVO*	*TO EVALUATE MID-S*FORCE *PAN ELEVON =FLIPPE* *R DOOR (USED AS A* *SPOILER) EFFECTS *	*TO OBTAIN PRESSUR*FORCE *E DISTRIBUTIONS, *PRESSURE *VEHICLE FORCES AN*	*O.004 / *0.6 - *2.74	*ROCKWELL/ *MSFC - *14-INCH TRISON* *IC WIND TUNNEL*	*V. W. SPARKS *-DMS	*DMS-DR-2253 *JAN., 1976	
	N HINGE MOMENTS U							
	UTILIZING O.004-SC							
	*ALE MODELS (77-O *							
	AND 4-OTS) OF TH							
	E SHUTTLE VEHICLE							
	*5 CONFIGURATION *							
ARC 11TWT 073 OA148 OA148P CR-144,619	- *TERMINAL AREA EN*VEHICLE 5 ORBITER*TO OBTAIN PRESSUR*FORCE - *RGY MANAGEMENT RE* /*GIME INVESTIGATIO* *NS UTILIZING AN O* *.030-SCALE MODEL *	*RING LAUNCH	*ORSION AND ELEVON* *HINGE MOMENTS DU *	*0.030 / *0.6 - *1.4	*ROCKWELL/ *ARC - *11-FOOT TRANSO*S.L.TREON/ *NIC WIND TUNNE*W. B. MEINDERS *L (UNITARY) *-DMS	*P.J.HAWTHORNE/ RI * . *S.B. MEINDERS	*DMS-DR-2254 *VOLUME 01 *JULY, 1976	
	(47-O) OF THE SPA*							
	CE SHUTTLE VEHL							
	E ORBITER CONFIGU							
	RATION 14OA/B/C/R							
	*IN THE AMES RESE *							
	*ARCH CENTER 11 X *							
	11 FOOT TRANSONIC							
	*WIND TUNNEL (OA1 *							
	*48)							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *TERMINAL AREA ENE*	VEHICLE 5 ORBITER	TO OBTAIN PRESSUR	FORCE	*0.030 /	*ROCKWELL/	*P.J.HAWTHORNE/	RI *DMS-DR-2254
11TWT	- *RGY MANAGEMENT RE*		*E DISTRIBUTIONS, *	PRESSURE	*0.6 -	*ARC -	*	*VOLUME 02
073	/*GIME INVESTIGATIO*		*VEHICLE FORCES AN*		*1.4	*11-FOOT TRANSO*	*S.L.TREON/	*JULY, 1976
OA148	*NS UTILIZING AN O*		*D MOMENTS, ELEVON*		*	*NIC WIND TUNNE*	*W. B. MEINDERS	*
OA148P	*.030-SCALE MODEL *		*AND RUDDER HINGE *		*	*L (UNITARY) **DMS		*
CR-144,620	*(47-O) OF THE SPA*		*MOMENTS, BODY FL *		*	*	*	*
	CE SHUTTLE VEICL		*AP AND ELEVON LOA*		*	*	*	*
	E ORBITER CONFIGU		*DS IN THE TERMINA*		*	*	*	*
	RATION 140A/B/C/R		*L AREA ENERGY MAN*		*	*	*	*
	*IN THE AMES RESE *		*AGEMENT (TAEM) AN*		*	*	*	*
	*ARCH CENTER 11 X *		*D APPROACH OF FLI*		*	*	*	*
	11 FOOT TRANSONIC		*GHT		*	*	*	*
	*WIND TUNNEL (OA1 *		*		*	*	*	*
	*48)		*		*	*	*	*
	*		*		*	*	*	*
ARC	- *TERMINAL AREA ENE*	VEHICLE 5 ORBITER	TO OBTAIN PRESSUR	FORCE	*0.030 /	*ROCKWELL/	*P.J.HAWTHORNE/	RI *DMS-DR-2254
11TWT	- *RGY MANAGEMENT RE*		*E DISTRIBUTIONS, *	PRESSURE	*0.6 -	*ARC -	*	*VOLUME 03
073	/*GIME INVESTIGATIO*		*VEHICLE FORCES AN*		*1.4	*11-FOOT TRANSO*	*S.L.TREON/	*JULY, 1976
OA148	*NS UTILIZING AN O*		*D MOMENTS, ELEVON*		*	*NIC WIND TUNNE*	*W. B. MEINDERS	*
OA148P	*.030-SCALE MODEL *		*AND RUDDER HINGE *		*	*L (UNITARY) **DMS		*
CR-144,621	*(47-O) OF THE SPA*		*MOMENTS, BODY FL *		*	*	*	*
	CE SHUTTLE VEICL		*AP AND ELEVON LOA*		*	*	*	*
	E ORBITER CONFIGU		*DS IN THE TERMINA*		*	*	*	*
	RATION 140A/B/C/R		*L AREA ENERGY MAN*		*	*	*	*
	*IN THE AMES RESE *		*AGEMENT (TAEM) AN*		*	*	*	*
	*ARCH CENTER 11 X *		*D APPROACH OF FLI*		*	*	*	*
	11 FOOT TRANSONIC		*GHT		*	*	*	*
	*WIND TUNNEL (OA1 *		*		*	*	*	*
	*48)		*		*	*	*	*
	*		*		*	*	*	*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *TERMINAL AREA ENE*	VEHICLE 5 ORBITER*	TO OBTAIN PRESSUR*	FORCE	*0.030 /	*ROCKWELL/	*P.J.HAWTHORNE/	RI*DMS-DR-2254
11TWT	- *RGY MANAGEMENT RE*		*E DISTRIBUTIONS, *	PRESSURE	*0.6 -	*ARC -	*.	*VOLUME 04
073	/*GIME INVESTIGATIO*		*VEHICLE FORCES AN*		*1.4	*11-FOOT TRANSO*	S.L.TREON/	*AUGUST, 1976
0A148	*NS UTILIZING AN O*		*D MOMENTS, ELEVON*		*	*NIC WIND TUNNE*	W. B. MEINDERS	*
0A148P	*.030-SCALE MODEL *		*AND RUDDER HINGE *		*	*L (UNITARY) *	-DMS	*
CR-144,622	*(47-0) OF THE SPA*		*MOMENTS, BODY FL *		*	*	*	*
	CE SHUTTLE VEHICL		*AP AND ELEVON LOA*		*	*	*	*
	E ORBITER CONFIGU		*DS IN THE TERMINA*		*	*	*	*
	RATION 140A/B/C/R		*L AREA ENERGY MAN*		*	*	*	*
	*IN THE AMES RESE *		*AGEMENT (TAEM) AN*		*	*	*	*
	*ARCH CENTER 11 X *		*D APPROACH OF FLI*		*	*	*	*
	11 FOOT TRANSONIC		*GHT		*	*	*	*
	*WIND TUNNEL (0A1 *		*		*	*	*	*
	*48)		*		*	*	*	*
	*		*		*	*	*	*
ARC	- *TERMINAL AREA ENE*	VEHICLE 5 ORBITER*	TO OBTAIN PRESSUR*	FORCE	*0.030 /	*ROCKWELL/	*P.J.HAWTHORNE/	RI*DMS-DR-2254
11TWT	- *RGY MANAGEMENT RE*		*E DISTRIBUTIONS, *	PRESSURE	*0.6 -	*ARC -	*.	*VOLUME 05
073	/*GIME INVESTIGATIO*		*VEHICLE FORCES AN*		*1.4	*11-FOOT TRANSO*	S.L.TREON/	*AUGUST, 1976
0A148	*NS UTILIZING AN O*		*D MOMENTS, ELEVON*		*	*NIC WIND TUNNE*	W. B. MEINDERS	*
0A148P	*.030 SCALE MODEL *		*AND RUDDER HINGE *		*	*L (UNITARY) *	-DMS	*
CR-144,623	*(47-0) OF THE SPA*		*MOMENTS, BODY FL *		*	*	*	*
	CE SHUTTLE VEHICL		*AP AND ELEVON LOA*		*	*	*	*
	E ORBITER CONFIGU		*DS IN THE TERMINA*		*	*	*	*
	RATION 140A/B/C/R		*L AREA ENERGY MAN*		*	*	*	*
	*IN THE AMES RESE *		*AGEMENT (TAEM) AN*		*	*	*	*
	*ARCH CENTER 11 X *		*D APPROACH OF FLI*		*	*	*	*
	11 FOOT TRANSONIC		*GHT		*	*	*	*
	*WIND TUNNEL (0A1 *		*		*	*	*	*
	*48)		*		*	*	*	*
	*		*		*	*	*	*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *TERMINAL AREA ENE*	VEHICLE 5 ORBITER	*TO OBTAIN PRESSUR*	FORCE	*0.030	/	*ROCKWELL/	*P.J.HAWTHORNE/	RI *DMS-DR-2254
11TWT	- *RGY MANAGEMENT RE*		*E DISTRIBUTIONS, *	PRESSURE	*0.6	-	*ARC	-	*VOLUME 06
073	/*GIME INVESTIGATIO*		*VEHICLE FORCES AN*		*1.4		*11-FOOT TRANSO*	S.L.TREON/	*AUGUST, 1976
OA148	*NS UTILIZING AN O*		*D MOMENTS, ELEVON*		*		*NIC WIND TUNNE*	W. B. MEINDERS	*
OA148P	*.030-SCALE MODEL *		*AND RUDDER HINGE *		*		*L (UNITARY)	--DMS	*
CR-144,624	*(47-O) OF THE SPA*		*MOMENTS, BODY FL *		*		*	*	*
	CE SHUTTLE VEHICL		*AP AND ELEVON LOA*		*		*	*	*
	E ORBITER CONFIGU		*DS IN THE TERMINA*		*		*	*	*
	RATION 140A/B/C/R		*L AREA ENERGY MAN*		*		*	*	*
	*IN THE AMES RESE *		*AGEMENT (TAEM) AN*		*		*	*	*
	*ARCH CENTER 11 X *		*D APPROACH OF FLI*		*		*	*	*
	11 FOOT TRANSONIC		*GHT		*		*	*	*
	*WIND TUNNEL (OA1 *		*		*		*	*	*
	*48)		*		*		*	*	*
	*		*		*		*	*	*
ARC	- *TERMINAL AREA ENE*	VEHICLE 5 ORBITER	*TO OBTAIN PRESSUR*	FORCE	*0.030	/	*ROCKWELL/	*P.J.HAWTHORNE/	RI *DMS-DR-2254
11TWT	- *RGY MANAGEMENT RE*		*E DISTRIBUTIONS, *	PRESSURE	*0.6	-	*ARC	-	*VOLUME 07
073	/*GIME INVESTIGATIO*		*VEHICLE FORCES AN*		*1.4		*11-FOOT TRANSO*	S.L.TREON/	*AUGUST, 1976
OA148	*NS UTILIZING AN O*		*D MOMENTS, ELEVON*		*		*NIC WIND TUNNE*	W. B. MEINDERS	*
OA148P	*.030-SCALE MODEL *		*AND RUDDER HINGE *		*		*L (UNITARY)	--DMS	*
CR-144,625	*(47-O) OF THE SPA*		*MOMENTS, BODY FL *		*		*	*	*
	CE SHUTTLE VEHICL		*AP AND ELEVON LOA*		*		*	*	*
	E ORBITER CONFIGU		*DS IN THE TERMINA*		*		*	*	*
	RATION 140A/B/C/R		*L AREA ENERGY MAN*		*		*	*	*
	*IN THE AMES RESE *		*AGEMENT (TAEM) AN*		*		*	*	*
	*ARCH CENTER 11 X *		*D APPROACH OF FLI*		*		*	*	*
	11 FOOT TRANSONIC		*GHT		*		*	*	*
	*WIND TUNNEL (OA1 *		*		*		*	*	*
	*48)		*		*		*	*	*
	*		*		*		*	*	*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 111WT 073 OA148 OA148P CR-144,626	- *TERMINAL AREA ENE* - *RGY MANAGEMENT RE* /*GIME INVESTIGATIO* *NS UTILIZING AN O* *.030-SCALE MODEL * *(47-0) OF THE SPA* *CE SHUTTLE VEHICL* *E ORBITER CONFIGU* *RATION 140A/B/C/R* *IN THE AMES RESE * *ARCH CENTER 11 X * *11 FOOT TRANSONIC* *WIND TUNNEL (0A1 * *48)	*VEHICLE 5 ORBITER* *E DISTRIBUTIONS, * *VEHICLE FORCES AN* *D MOMENTS, ELEVON* *AND RUDDER HINGE * *MOMENTS, BODY FL * *AP AND ELEVON LOA* *DS IN THE TERMINA* *L AREA ENERGY MAN* *AGEMENT (TAEM) AN* *D APPROACH OF FLI* *GHT	*TO OBTAIN PRESSUR* *FORCE *E DISTRIBUTIONS, * *VEHICLE FORCES AN* *D MOMENTS, ELEVON* *AND RUDDER HINGE * *MOMENTS, BODY FL * *AP AND ELEVON LOA* *DS IN THE TERMINA* *L AREA ENERGY MAN* *AGEMENT (TAEM) AN* *D APPROACH OF FLI* *GHT	*O.030 / * *0.6 - * *1.4	*ROCKWELL/ *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY) *-DMS	*P.J.HAWTHORNE/ * *S.L.TREON/ *W. B. MEINDERS	RI *DMS-DR-2254 *VOLUME 08 *AUGUST, 1976	
ARC 111WT 073 OA148 OA148P CR-144,627	- *TERMINAL AREA ENE* - *RGY MANAGEMENT RE* /*GIME INVESTIGATIO* *NS UTILIZING AN O* *.030-SCALE MODEL * *(47-0) OF THE SPA* *CE SHUTTLE VEHICL* *E ORBITER CONFIGU* *RATION 140A/B/C/R* *IN THE AMES RESE * *ARCH CENTER 11 X * *11 FOOT TRANSONIC* *WIND TUNNEL (0A1 * *48)	*VEHICLE 5 ORBITER* *E DISTRIBUTIONS, * *VEHICLE FORCES AN* *D MOMENTS, ELEVON* *AND RUDDER HINGE * *MOMENTS, BODY FL * *AP AND ELEVON LOA* *DS IN THE TERMINA* *L AREA ENERGY MAN* *AGEMENT (TAEM) AN* *D APPROACH OF FLI* *GHT	*TO OBTAIN PRESSUR* *FORCE *E DISTRIBUTIONS, * *VEHICLE FORCES AN* *D MOMENTS, ELEVON* *AND RUDDER HINGE * *MOMENTS, BODY FL * *AP AND ELEVON LOA* *DS IN THE TERMINA* *L AREA ENERGY MAN* *AGEMENT (TAEM) AN* *D APPROACH OF FLI* *GHT	*O.030 / * *0.6 - * *1.4	*ROCKWELL/ *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY) *-DMS	*P.J.HAWTHORNE/ * *S.L.TREON/ *W. B. MEINDERS	RI *DMS-DR-2254 *VOLUME 09 *SEPT., 1976	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH	SCALE RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *TERMINAL AREA ENE*	VEHICLE 5 ORBITER	TO OBTAIN PRESSUR	FORCE	*0.030	/	*ROCKWELL/	*P.J.HAWTHORNE/	RI*DMS-DR-2254
11TWT	- *RGY MANAGEMENT RE*		E DISTRIBUTIONS, *	PRESSURE	*0.6 -		*ARC -	*	*VOLUME 10
O73	/*GIME INVESTIGATIO*		VEHICLE FORCES AN*		*1.4		*11-FOOT TRANSO*	S.L.TREON/	*SEPT., 1976
OA148	*NS UTILIZING AN O*		D MOMENTS, ELEVON*		*		*NIC WIND TUNNE*	W. B. MEINDERS	*
OA148P	*.030-SCALE MODEL *		AND RUDDER HINGE *		*		*L (UNITARY) **	DMS	*
CR-144,628	*(47-O) OF THE SPA*		MOMENTS, BODY FL *		*		*	*	*
	CE SHUTTLE VEHICL		AP AND ELEVON LOA*		*		*	*	*
	E ORBITER CONFIGU		DS IN THE TERMINA*		*		*	*	*
	RATION 140A/B/C/R		L AREA ENERGY MAN*		*		*	*	*
	*IN THE AMES RESE *		AGEMENT (TAEM) AN*		*		*	*	*
	*ARCH CENTER 11 X *		D APPROACH OF FLI*		*		*	*	*
	11 FOOT TRANSONIC		*GHT		*		*	*	*
	*WIND TUNNEL (OA1 *		*		*		*	*	*
	*48)		*		*		*	*	*
	*		*		*		*	*	*
ARC	- *TERMINAL AREA ENE*	VEHICLE 5 ORBITER	TO OBTAIN PRESSUR	FORCE	*0.030	/	*ROCKWELL/	*P.J.HAWTHORNE/	RI*DMS-DR-2254
11TWT	- *RGY MANAGEMENT RE*		E DISTRIBUTIONS, *	PRESSURE	*0.6 -		*ARC -	*	*VOLUME 11
O73	/*GIME INVESTIGATIO*		VEHICLE FORCES AN*		*1.4		*11-FOOT TRANSO*	S.L.TREON/	*SEPT., 1976
OA148	*NS UTILIZING AN O*		D MOMENTS, ELEVON*		*		*NIC WIND TUNNE*	W. B. MEINDERS	*
OA148P	*.030-SCALE MODEL *		AND RUDDER HINGE *		*		*L (UNITARY) **	DMS	*
CR-147,601	*(47-O) OF THE SPA*		MOMENTS, BODY FL *		*		*	*	*
	CE SHUTTLE VEHICL		AP AND ELEVON LOA*		*		*	*	*
	E ORBITER CONFIGU		DS IN THE TERMINA*		*		*	*	*
	RATION 140A/B/C/R		L AREA ENERGY MAN*		*		*	*	*
	*IN THE AMES RESE *		AGEMENT (TAEM) AN*		*		*	*	*
	*ARCH CENTER 11 X *		D APPROACH OF FLI*		*		*	*	*
	11 FOOT TRANSONIC		*GHT		*		*	*	*
	*WIND TUNNEL (OA1 *		*		*		*	*	*
	*48)		*		*		*	*	*
	*		*		*		*	*	*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT 073 OA148 OA148P CR-147,602	- *TERMINAL AREA ENE* - *RGY MANAGEMENT RE* /*GIME INVESTIGATIO* *NS UTILIZING AN O* *.O30-SCALE MODEL * *(47-0) OF THE SPA* *CE SHUTTLE VEHICL* *E ORBITER CONFIGU* *RATION 140A/B/C/R* *IN THE AMES RESE * *ARCH CENTER 11 X * *11 FOOT TRANSONIC* *WIND TUNNEL (OA1 * *48)	*VEHICLE 5 ORBITER* *E DISTRIBUTIONS, * *VEHICLE FORCES AN* *D MOMENTS, ELEVON* *AND RUDDER HINGE * *MOMENTS, BODY FL * *AP AND ELEVON LOA* *DS IN THE TERMINA* *L AREA ENERGY MAN* *AGEMENT (TAEM) AN* *D APPROACH OF FLI* *GHT	*TO OBTAIN PRESSUR* *FORCE *PRESSURE *VEHICLE FORCES AN* *D MOMENTS, ELEVON* *AND RUDDER HINGE * *MOMENTS, BODY FL * *AP AND ELEVON LOA* *DS IN THE TERMINA* *L AREA ENERGY MAN* *AGEMENT (TAEM) AN* *D APPROACH OF FLI* *GHT	*O.030 / * *O.6 - * *1.4	*ROCKWELL/ *ARC *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY) **DMS	*P.J.HAWTHORNE/ * *S.L.TREON/ *W. B. MEINDERS **DMS	RI *DMS-DR-2254 *VOLUME 12 *SEPT., 1976	
ARC 11TWT 073 OA148 OA148P CR-147,603	- *TERMINAL AREA ENE* - *RGY MANAGEMENT RE* /*GIME INVESTIGATIO* *NS UTILIZING AN O* *.O30-SCALE MODEL * *(47-0) OF THE SPA* *CE SHUTTLE VEHICL* *E ORBITER CONFIGU* *RATION 140A/B/C/R* *IN THE AMES RESE * *ARCH CENTER 11 X * *11 FOOT TRANSONIC* *WIND TUNNEL (OA1 * *48)	*VEHICLE 5 ORBITER* *E DISTRIBUTIONS, * *VEHICLE FORCES AN* *D MOMENTS, ELEVON* *AND RUDDER HINGE * *MOMENTS, BODY FL * *AP AND ELEVON LOA* *DS IN THE TERMINA* *L AREA ENERGY MAN* *AGEMENT (TAEM) AN* *D APPROACH OF FLI* *GHT	*TO OBTAIN PRESSUR* *FORCE *PRESSURE *VEHICLE FORCES AN* *D MOMENTS, ELEVON* *AND RUDDER HINGE * *MOMENTS, BODY FL * *AP AND ELEVON LOA* *DS IN THE TERMINA* *L AREA ENERGY MAN* *AGEMENT (TAEM) AN* *D APPROACH OF FLI* *GHT	*O.030 / * *O.6 - * *1.4	*ROCKWELL/ *ARC *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY) **DMS	*P.J.HAWTHORNE/ * *S.L.TREON/ *W. B. MEINDERS **DMS	RI *DMS-DR-2254 *VOLUME 13 *SEPT., 1976	
ARC 11TWT 97SWT TM-X 62,444	- *SHADOWGRAPHS OF A* - *IR FLOW OVER PROS* *PECTIVE SPACE SHU* *TTLE CONFIGURATIO* *NS AT MACH NUMBER* *S FROM 0.8 TO 1.4* * * * * *	*SERIES-BURN, PARA* *LLEL-BURN; 2 CANO* *PY CONFIGURATIONS* *SIGNIFICANT TURBU* *LENCE *NS AT MACH NUMBER* *S FROM 0.8 TO 1.4* * * * * *	*TO IDENTIFY AND L* *OCATE REGIONS OF * *SIGNIFICANT TURBU* *LENCE *NS AT MACH NUMBER* *S FROM 0.8 TO 1.4* * * * * *	*4.0 / * *O.8 - * *1.4	*ARC / *ARC *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY) * *9-FOOT BY 7-FO* *OT SUPERSONIC * *WIND TUNNEL (U* *NITARY)	*J. B. DODS, JR., R* *D. HANLY, J. H.* *EFTING/ARC *D.W.HERSEY *M. M. MOSER JR.* **DMS * * *	*DMS-DR-2255 *JULY, 1975	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 8TPT 714 LA69 CR-151,369	*RESULTS OF A DRAG*OUTER MOLD LINE *REDUCTION INVEST *IGATION ON AN O.O.*10-SCALE MODEL OF*THE SPACE SHUTTLE*VEHICLE (72-OTS) *LAUNCH CONFIGURA *TION TESTED IN TH *E LARC 8-FOOT TRA *NSONIC PRESSURE T *UNNEL FOR THE MAC *H RANGE OF 0.35 T *O 1.20	*DETERMINE EFFECTS*FORCE *OF VARIOUS CONFI *G. COMPONENTS ON *TOTAL DRAG OF VEH *5: PRIMARY ATTE *NTION ON DRAG RED *UCTION FOR ET AND *MODS TO ORB. AND *OMS PODS			*0.010 / *0.35- *1.20	*LARC / *LARC - *8-FOOT TRANSON*J. E. VAUGHN *IC PRESSURE TU*-DMS *NNEL	*B. SPENCER, JR., *G. M. WARE/LARC	*DMS-DR-2257 *SEPT., 1977
ARC 11TWT 072 IA72 CR-151,045	*INVESTIGATIONS ON*88-OTS MODIFIED W*TO DETERMINE WING*PRESSURE *A 0.020-SCALE JE */OMS PODS AND COL*AND VERTICAL TAI */T PLUME MODEL (88*D AIR MPS AND SRB*L ROOT BENDING MO *-OTS) OF THE ROCK*PLUME SIMULATION *WELL INTERNATIONAL* *L INTEGRATED SSV *CONFIGURATION 14D* *C (MODIFIED) IN T *HE 11-FOOT TRANSO *NIC WIND TUNNEL	*TO DETERMINE WING*PRESSURE *AND VERTICAL TAI *L ROOT BENDING MO *MENTS, RUDDER AND *ELEVON HINGE MOMEN *NTS, NOZZLE GIMBA *L MOMENTS, AND SU *RFACE PRESSURE PR *OFILES ON THE ORB *ITER, ET, SRB; TO *ETERMINE ET BAS *E COOLING RATES.			*0.020 / *0.90 - *1.40	*ROCKWELL/ *ARC - *11-FOOT TRANSO *NIC WIND TUNNE *L (UNITARY)	*R. H. LINDAHL *DMS	*DMS-DR-2258 *VOLUME 01 *APRIL, 1977
ARC 11TWT 072 IA72 CR-151,046	*INVESTIGATIONS ON*88-OTS MODIFIED W*TO DETERMINE WING*PRESSURE *A 0.020-SCALE JE */OMS PODS AND COL*AND VERTICAL TAI */T PLUME MODEL (88*D AIR MPS AND SRB*L ROOT BENDING MO *-OTS) OF THE ROCK*PLUME SIMULATION *WELL INTERNATIONAL* *L INTEGRATED SSV *CONFIGURATION 14D* *C (MODIFIED) IN T *HE 11-FOOT TRANSO *NIC WIND TUNNEL	*TO DETERMINE WING*PRESSURE *AND VERTICAL TAI *L ROOT BENDING MO *MENTS, RUDDER AND *ELEVON HINGE MOMEN *NTS, NOZZLE GIMBA *L MOMENTS, AND SU *RFACE PRESSURE PR *OFILES ON THE ORB *ITER, ET, SRB; TO *ETERMINE ET BAS *E COOLING RATES.			*0.020 / *0.90 - *1.40	*ROCKWELL/ *ARC - *11-FOOT TRANSO *NIC WIND TUNNE *L (UNITARY)	*R. H. LINDAHL *DMS	*DMS-DR-2258 *VOLUME 02 *APRIL, 1977

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL	SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT 072 IA72 CR-151.047	- *INVESTIGATIONS ON *88-OTS MODIFIED W*TO DETERMINE WING*PRESSURE - *A 0.020-SCALE JE */OMS PODS AND COL*AND VERTICAL TAI * /*T PLUME MODEL (88*D AIR MPS AND SRB*L ROOT BENDING MO* *-OTS) OF THE ROCK*PLUME SIMULATION *MENTS, RUDDER AND* *WELL INTERNATIONAL* *L INTEGRATED SSV * *CONFIGURATION 14D* *C (MODIFIED) IN T* *HE 11-FOOT TRANSO* *NIC WIND TUNNEL *	*ELEVON HINGE MOMENT* *NTS, NOZZLE GIMBA* *L MOMENTS, AND SU* *RFACE PRESSURE PR* *OFILES ON THE ORB* *ITER, ET, SRB; TO* *DETERMINE ET BAS * *E COOLING RATES. *	*0.020 / *ROCKWELL/ *0.90 - *ARC - *1.40 *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY) *	*R. H. LINDAHL *-DMS	*DMS-DR-2258 *VOLUME 03 *APRIL, 1977				
ARC 11TWT 072 IA72 CR-151.048	- *INVESTIGATIONS ON *88-OTS MODIFIED W*TO DETERMINE WING*PRESSURE - *A 0.020-SCALE JE */OMS PODS AND COL*AND VERTICAL TAI * /*T PLUME MODEL (88*D AIR MPS AND SRB*L ROOT BENDING MO* *-OTS) OF THE ROCK*PLUME SIMULATION *MENTS, RUDDER AND* *WELL INTERNATIONAL* *L INTEGRATED SSV * *CONFIGURATION 14D* *C (MODIFIED) IN T* *HE 11-FOOT TRANSO* *NIC WIND TUNNEL *	*ELEVON HINGE MOMENT* *NTS, NOZZLE GIMBA* *L MOMENTS, AND SU* *RFACE PRESSURE PR* *OFILES ON THE ORB* *ITER, ET, SRB; TO* *DETERMINE ET BAS * *E COOLING RATES. *	*0.020 / *ROCKWELL/ *0.90 - *ARC - *1.40 *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY) *	*R. H. LINDAHL *-DMS	*DMS-DR-2258 *VOLUME 04 *APRIL, 1977				
ARC 11TWT 072 IA72 CR-151.049	- *INVESTIGATIONS ON *88-OTS MODIFIED W*TO DETERMINE WING*PRESSURE - *A 0.020-SCALE JE */OMS PODS AND COL*AND VERTICAL TAI * /*T PLUME MODEL (88*D AIR MPS AND SRB*L ROOT BENDING MO* *-OTS) OF THE ROCK*PLUME SIMULATION *MENTS, RUDDER AND* *WELL INTERNATIONAL* *L INTEGRATED SSV * *CONFIGURATION 14D* *C (MODIFIED) IN T* *HE 11-FOOT TRANSO* *NIC WIND TUNNEL *	*ELEVON HINGE MOMENT* *NTS, NOZZLE GIMBA* *L MOMENTS, AND SU* *RFACE PRESSURE PR* *OFILES ON THE ORB* *ITER, ET, SRB; TO* *DETERMINE ET BAS * *E COOLING RATES. *	*0.020 / *ROCKWELL/ *0.90 - *ARC - *1.40 *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY) *	*R. H. LINDAHL *-DMS	*DMS-DR-2258 *VOLUME 05 *APRIL, 1977				

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL	SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	-	*INVESTIGATIONS ON*88-OTS MODIFIED W*	TO DETERMINE WING*	PRESSURE	*0.020	/	*ROCKWELL/	*R. H. LINDAHL	*DMS-DR-2258
11TWT	-	*A 0.020-SCALE JE */OMS PODS AND COL*	AND VERTICAL TAI *		*0.90 -		*ARC -	*-DMS	*VOLUME 06
O72	/	*T PLUME MODEL (88*D AIR MPS AND SRB*	L ROOT BENDING MO*		*1.40		*11-FOOT TRANSO*		*APRIL, 1977
IA72		*-OTS) OF THE ROCK*PLUME SIMULATION	*MENTS, RUDDER AND*				*NIC WIND TUNNE*		
CR-151.050		*WELL INTERNATIONAL*	*ELEVON HINGE MOMEN*				*L (UNITARY)		
		*L INTEGRATED SSV *	*NTS, NOZZLE GIMBA*						
		CONFIGURATION 14D	*L MOMENTS, AND SU*						
		C (MODIFIED) IN T	*RFACE PRESSURE PR*						
		HE 11-FOOT TRANSO	*OFILES ON THE ORB*						
		*NIC WIND TUNNEL *	*ITER, ET, SRB; TO*						
		*	*DETERMINE ET BAS *						
		*	*E COOLING RATES. *						
		*	*						
ARC	-	*INVESTIGATIONS ON*88-OTS MODIFIED W*	TO DETERMINE WING*	PRESSURE	*0.020	/	*ROCKWELL/	*R. H. LINDAHL	*DMS-DR-2258
11TWT	-	*A 0.020-SCALE JE */OMS PODS AND COL*	AND VERTICAL TAI *		*0.90 -		*ARC -	*-DMS	*VOLUME 07
O72	/	*T PLUME MODEL (88*D AIR MPS AND SRB*	L ROOT BENDING MO*		*1.40		*11-FOOT TRANSO*		*APRIL, 1977
IA72		*-OTS) OF THE ROCK*PLUME SIMULATION	*MENTS, RUDDER AND*				*NIC WIND TUNNE*		
CR-151.051		*WELL INTERNATIONAL*	*ELEVON HINGE MOMEN*				*L (UNITARY)		
		*L INTEGRATED SSV *	*NTS, NOZZLE GIMBA*						
		CONFIGURATION 14D	*L MOMENTS, AND SU*						
		C (MODIFIED) IN T	*RFACE PRESSURE PR*						
		HE 11-FOOT TRANSO	*OFILES ON THE ORB*						
		*NIC WIND TUNNEL *	*ITER, ET, SRB; TO*						
		*	*DETERMINE ET BAS *						
		*	*E COOLING RATES. *						
		*	*						
ARC	-	*INVESTIGATIONS ON*88-OTS MODIFIED W*	TO DETERMINE WING*	PRESSURE	*0.020	/	*ROCKWELL/	*R. H. LINDAHL	*DMS-DR-2258
11TWT	-	*A 0.020-SCALE JE */OMS PODS AND COL*	AND VERTICAL TAI *		*0.90 -		*ARC -	*-DMS	*VOLUME 08
O72	/	*T PLUME MODEL (88*D AIR MPS AND SRB*	L ROOT BENDING MO*		*1.40		*11-FOOT TRANSO*		*APRIL, 1977
IA72		*-OTS) OF THE ROCK*PLUME SIMULATION	*MENTS, RUDDER AND*				*NIC WIND TUNNE*		
CR-151.052		*WELL INTERNATIONAL*	*ELEVON HINGE MOMEN*				*L (UNITARY)		
		*L INTEGRATED SSV *	*NTS, NOZZLE GIMBA*						
		CONFIGURATION 14D	*L MOMENTS, AND SU*						
		C (MODIFIED) IN T	*RFACE PRESSURE PR*						
		HE 11-FOOT TRANSO	*OFILES ON THE ORB*						
		*NIC WIND TUNNEL *	*ITER, ET, SRB; TO*						
		*	*DETERMINE ET BAS *						
		*	*E COOLING RATES. *						
		*	*						

[illegible]

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 40SWT 462 OA100 CR-167,365	- *RESULTS OF TESTS *ORBITER VEHICLE 1*OBTAIN:(1)BASIC I*FORCE *USING A 0.36-SCAL*O1 WITHOUT TAILCO*NFLIGHT AERO DATA*PRESSURE / *E MODEL(76-0) OF *NE *THE SPACE SHUTTLE* *VEHICLE ORBITER * *IN THE NASA/AMES * *RESEARCH CENTER 4* *O BY 80-FOOT SUBS* *ONIC WIND TUNNEL * *(OA100) * * * * * * * * * *	*WITH SIM.TPS;(2) * *SUBSONIC VEH.5 AE* *RO;(3)ELEVON, RUD* *DER/SPDBRK, AND B* *ODYFLAP EFFECT. W* *ITH VEH.101 SEALS* *AND GAPS;(4)RUDD * *ER/SPDBRK AND BOD* *YFLAP HINGE MOM. * *WITH SEALS;(5)FLI* *GHT TEST AND SIDE * *AIR DATA PROBE C * *ALIB;(6)EVALUATE * *RN EFFECTS. * * * *	*O.36 / *ROCKWELL/ *O.112- *ARC - *O.256 *40-FOOT BY 80- *FOOT SUBSONIC *WIND TUNNEL * *DMS * * * * * * * * * *	*R.L. MAKI/ARC *T.J. DZIUBALA, R. *R. BURROWS/RI *S. R. HOULIHAN *C. R. EDWARDS * * * * * * * * * *	*DMS-DR-2261 *VOLUME 02 *JULY, 1982 * * * * * * * * * *			
TBCA BTWT 1472 CA6 CR-147,630	- *RESULTS OF A CARR*CARRIER W/ ORB. A*TO OBTAIN FORCE A*FORCE *IER AIRCRAFT VERI*LONE, CARRIER ALO*ND MOMENT DATA ON* / *FICATION TEST IN *NE, MATED 747/ORB*EACH VEHICLE, MA * *THE BOEING 8 X 1 *ITER *2 FOOT TRANSONIC * *TUNNEL USING A O.* *O3-SCALE 747 CAM/* *ORBITER MODEL 45-* *O * * * * * * * * * *	*TED AND SEPARATED* *; TO INVESTIGATE * *EFFECTS OF ORBITE* *R INCIDENCE, TAIL* *CONE, STRUT FAIR * *INGS, ELEVON, AND* *BODY FLAP SETTIN * *GS * * * *	*O.03 / *ROCKWELL/ *O.3 - *TBCA - *O.7 *TRANSONIC WIND *TUNNEL * *DMS * * * * * * * * * *	*J. R. CORNELIUS, *A. R. WOLFLA/TBC *D. A. SARVER *J. E. VAUGHN * * * * * * * * * *	*DMS-DR-2262 *VOLUME 01 *NOV., 1976 * * * * * * * * * *			
TBCA BTWT 1472 CA6 CR-147,631	- *RESULTS OF A CARR*CARRIER W/ ORB. A*TO OBTAIN FORCE A*FORCE *IER AIRCRAFT VERI*LONE, CARRIER ALO*ND MOMENT DATA ON* / *FICATION TEST IN *NE, MATED 747/ORB*EACH VEHICLE, MA * *THE BOEING 8 X 1 *ITER *2 FOOT TRANSONIC * *TUNNEL USING A O.* *O3-SCALE 747 CAM/* *ORBITER MODEL 45-* *O * * * * * * * * * *	*TED AND SEPARATED* *; TO INVESTIGATE * *EFFECTS OF ORBITE* *R INCIDENCE, TAIL* *CONE, STRUT FAIR * *INGS, ELEVON, AND* *BODY FLAP SETTIN * *GS * * * *	*O.03 / *ROCKWELL/ *O.3 - *TBCA - *O.7 *TRANSONIC WIND *TUNNEL * *DMS * * * * * * * * * *	*J. R. CORNELIUS, *A. R. WOLFLA/TBC *D. A. SARVER *J. E. VAUGHN * * * * * * * * * *	*DMS-DR-2262 *VOLUME 02 *NOV., 1976 * * * * * * * * * *			

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC HWTB B8A OH74 CR-144,596	- *RESULTS OF HEAT T*140 C ORB (B62 C1*TO DETERMINE ENTR*HEAT-TRANS*O.0175 / *ROCKWELL/ *E. C. ALLEN, W. H* - *RANSFER TESTS ON *2 E52 F10 M16 R19*Y AERODYNAMIC HEA* *8.0 - *AEDC - *DYE/RI *MARCH, 1976 /*A O.0175-SCALE SP*V8 W127) *TING RATES ON ORB* *8.0 *HYPERSONIC WIN*E. KNOX/AEDC * *ACE SHUTTLE ORBIT* *. FUSELAGE SIDE * *D TUNNEL (B) *R. H. LINDAHL * *ER MODEL (56-0) I* * * * *-DMS * *N THE AEDC VKF 'B* * * * * *' HYPERSOIC WIND* * * * * *TUNNEL (OH74) * * * * *							
LARC 8TPT 717 LA62 CR-141,843	- *TRANSONIC STABILI*SSV ORBITER 49-0 *TO GENERATE A DET*FORCE *0.35 - *LARC / *J. GAMBLE, M. BUH*DMS-DR-2264 - *TY AND CONTROL CH*MODIFIED *AILED AERODYNAMIC* *1.20 *LARC - *L. JR./JSC; B. SP*DEC., 1975 /*ARACTERISTICS OF * *BASE TO SUBSTANT * *8-FOOT TRANSON*ENCER, G. WARE/LA* *A O.015-SCALE (RE* *IATE THE DESIGN D* *IC PRESSURE TU*RC * *MOTELY CONTROLLED* *ATA ON THE CURREN* *NNEL *H. PARRELL/RI * *ELEVON) MODEL 49 * *T ORBITER CONFIGU* * * *J. W. BALL * *-O OF THE SPACE S* *RATION * * *M. M. MANN * *HUTTLE ORBITER TE* * * * *-DMS * *STED IN THE NASA/* * * * * *LARC 8-FOOT TPT (* * * * * *LA62) * * * * *							
ARC 12PT 078 OA159 CR-141,832	- *RESULTS OF TESTS *CONFIG 1 ORBITER *ASSESS EFFECTS OF*FORCE * .030 / *ROCKWELL/ *J. J. MARROQUIN/R*DMS-DR-2265 - *USING A O.030-SCA*WITH NOSE AND TAI*RCS ORIFICES LOC * *0.26 - *ARC - *I *JAN., 1976 /*LE MODEL (45-0) O*L RCS JETS *ATED ON ORBITER N* *0.26 *12-FOOT PRESSU*D.B. WATSON * *F THE SPACE SHUTT*CONFIG 2 ORBITER *OSE, EFFECTS OF M* *RE TUNNEL *DMS * *LE VEHICLE ORBITE*WITH AFT CARRIER *ODIFIED OMS PODS * * * * *R IN THE NASA/ARC*ATTACHMENT *AND MODIFIED ELEV* * * * *12-FOOT PRESSURE *CONFIG 3 ORBITER *ONS ON THE 6-COMP* * * * *TUNNEL (OA159) *WITH GROUND PLANE*ONENT FORCE DATA.* * * * * *CONFIG 4 ORBITER * * * * * *WITH SIMULATED BA* * * * * *LANCE SUPPORTS US* * * * * *ED IN AMES 40X80 * * * * * * * * *							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LTV	- *TRANSONIC-SUPERSO*	*140A/B/C=B26 C9 E*	TO GENERATE A DET*FORCE		*0.015 /	*LARC /	*G. WARE, B. SPENC*	DMS-DR-2266
HSWT	- *NIC HIGH REYNOLDS*	*43 F8 M16 N28 R5 *	AILED AERODYNAMIC*		*0.6 -	*LTV -	*ER, JR./LARC	*JULY, 1976
552	/*NUMBER STABILITY *V8 W		*DATA BASE WHICH *		*4.6	*HIGH SPEED WIN*	*T. C. POPE/VSD	*
LA67	*AND CONTROL CHAR *		*CAN BE USED TO SU*			*D TUNNEL	*J. E. VAUGHN	*
CR-144,607	*ACTERISTICS OF A *		*BSTANTIATE THE AE*				*-DMS	*
	O.015-SCALE (REMO		*RODYNAMIC DATA DE*					*
	TELY CONTROLLED E		*SIGN DATA BOOK FO*					*
	LEVON) MODEL 44-O		*R THE CURRENT ORB*					*
	*OF THE SPACE SHU *		*ITER DESIGN.					*
	TTLE ORBITER TEST							*
	ED IN THE VSD HIG							*
	H SPEED WIND TUNN							*
	*EL							*
	*							*
LARC	- *RESULTS OF TEST M*	*REACTION CONTROL	TO STUDY TUNNEL R*FORCE		*0.0100 /	*MSC /	*D.B. KANIPE/JSC	DMS-DR-2267
CFHT	- *A22 IN THE NASA/L*	SYSTEM	*EPEATABILITY AND *		*10.3 -	*LARC -	*J. W. BALL	*VOLUME 01
118	/*ARC 31-INCH CFHT *		*EFFECT ON JET INT*		*10:3	*CONTINUOUS-FLO*	*G. W. KLUG	*JUNE, 1976
MA22	*ON AN 0.010-SCALE*		*ERATION DATA, TO*			*W HYPERSONIC T*	*-DMS	*
CR-147,604	*MODEL (32-O) OF T*		*DETERMINE EFFECTS*			*UNNEL		*
	*HE SPACE SHUTTLE *		*OF MODEL HEATING *					*
	CONFIGURATION 3 T		*, ELEVON, BODYFLA*					*
	*O DETERMINE RCS *		*P DEFLECTIONS ON *					*
	JET FLOW FIELD IN		*JET INTERACTION, *					*
	*TERACTION AND TO *		*STUDY MULTIPLE JE*					*
	INVESTIGATE RT RE		*T FIRING EFFECTS, *					*
	*AL GAS EFFECTS *		*INVESTIGATE AREA *					*
	*		*RATIO EFFECTS, ST*					*
	*		*UDY SUPER POSITIO*					*
	*		*N EFFECTS					*
	*		*					*

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL MACH RANGE*	SCALE TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC CFHT 118 MA22 CR-147,605	- *RESULTS OF TEST M*A22 IN THE NASA/L* /*ARC 31-INCH CFHT * *ON AN O.010-SCALE* *MODEL (32-O) OF T* *HE SPACE SHUTTLE * *CONFIGURATION 3 T* *O DETERMINE RCS * *JET FLOW FIELD IN* *TERACTION AND TO * *INVESTIGATE RT RE* *AL GAS EFFECTS *	*REACTION CONTROL * *SYSTEM	*TO STUDY TUNNEL R* *EPEATABILITY AND * *EFFECT ON JET INT* *ERATION DATA, TO* *DETERMINE EFFECTS* *OF MODEL HEATING * *, ELEVON, BODYFLA* *P DEFLECTIONS ON * *JET INTERACTION, * *STUDY MULTIPLE JE* *T FIRING EFFECTS,* *INVESTIGATE AREA * *RATIO EFFECTS, ST* *UDY SUPER POSITIO* *N EFFECTS *	*FORCE	*0.0100 / * *10.3 - * *10.3 *	*MSC / * *LARC - * *CONTINUOUS-FLO* *W HYPERSONIC T*-DMS *UNNEL *	*D.B. KANIPE/JSC *J. W. BALL *G. W. KLUG	*DMS-DR-2267 *VOLUME 02 *JUNE, 1976
LARC CFHT 118 MA22 CR-147,606	- *RESULTS OF TEST M*A22 IN THE NASA/L* /*ARC 31-INCH CFHT * *ON AN O.010-SCALE* *MODEL (32-O) OF T* *HE SPACE SHUTTLE * *CONFIGURATION 3 T* *O DETERMINE RCS * *JET FLOW FIELD IN* *TERACTION AND TO * *INVESTIGATE RT RE* *AL GAS EFFECTS *	*REACTION CONTROL * *SYSTEM	*TO STUDY TUNNEL R* *EPEATABILITY AND * *EFFECT ON JET INT* *ERATION DATA, TO* *DETERMINE EFFECTS* *OF MODEL HEATING * *, ELEVON, BODYFLA* *P DEFLECTIONS ON * *JET INTERACTION, * *STUDY MULTIPLE JE* *T FIRING EFFECTS,* *INVESTIGATE AREA * *RATIO EFFECTS, ST* *UDY SUPER POSITIO* *N EFFECTS *	*FORCE	*0.0100 / * *10.3 - * *10.3 *	*MSC / * *LARC - * *CONTINUOUS-FLO* *W HYPERSONIC T*-DMS *UNNEL *	*D.B. KANIPE/JSC *J. W. BALL *G. W. KLUG	*DMS-DR-2267 *VOLUME 03 *JUNE, 1976

TEST ID	REPORT TITLE	* CONFIGURATIONS TESTED *	* TEST PURPOSE *	* TYPE OF TEST *	* MODEL SCALE * MACH RANGE *	* TESTING AGENCY *	* COGNIZANT TEST DMS PERSONNEL *	* BASIC PUBLICATIONS OR COMMENTS *
LARC CFHT 118 MA22 CR-147,607	- RESULTS OF TEST M*A22 IN THE NASA/L* /* ARC 31-INCH CFHT * ON AN O.O10-SCALE*	MREACTION CONTROL SYSTEM	*TO STUDY TUNNEL R*EPEATABILITY AND *EFFECT ON JET INT*ERACTION DATA, TO*DETERMINE EFFECTS*OF MODEL HEATING *, ELEVON, BODYFLA*P DEFLECTIONS ON *JET INTERACTION, **STUDY MULTIPLE JE*T FIRING EFFECTS,*INVESTIGATE AREA *RATIO EFFECTS, ST*UDY SUPER POSITIO*N EFFECTS	RFORCE	*O.O100 / *MSC / *LARC - *CONTINUOUS-FLO*W HYPERSONIC T-	/	D.B. KANIPI/JSC J.W. BALL G.W. KLUG DMS	*DMS-DR-2267 *VOLUME O4 *JUNE, 1976
TBCA BTWT 1477 CA9 CA9P CR-151,396	- RESULTS OF AN INV*ESTIGATION OF AER*ODYNAMIC FORCES, *MOMENTS, AND PRES*SURES ON O.O3-SCA*LE MODELS OF THE *MATED SPACE SHUTT*LE ORBITER AND CA*RRIER AIRCRAFT (*MODEL NUMBERS AX13*19P-1 AND 47-O) I*N THE BOEING TRAN*SONIC WIND TUNNEL *(CA9)	BOEING AX1319P-1 ORBITER 47-O	SIX-COMPONENT FORCE CE AND MOMENT DAT*A WERE MEASURED O*N THE TOTAL VEHIC*LE AND ON THE ORB*ITER TAILCONE. TH*REE-COMPONENT FOR*CE AND MOMENT DAT*A WERE MEASURED O*N THE CARRIER RIG*HT TIP FIN. ORBIT*ER ELEVON HINGE M*MMENTS WERE ALSO *MEASURED.	FORCE PRESSURE	* O.O3 , *TBCA - *TRANSONIC WIND *TUNNEL	, / -	ROCKWELL/ TBWA ANN/RH R.H. LINDAHL DMS	BOWEN/HARRIS SEXTON,H. LUTFI,S.L. OLLI DMS *DMS-DR-2268 *VOLUME O1 *JUNE, 1979

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
TBCA	-	*RESULTS OF AN NV*BOEING AX1319P-1	*SIX-COMPONENT FOR*FORCE	* 0.03	, *ROCKWELL/	*W.R. COVINGTON/BO	DMS-DR-2268	
BTWT	-	*ESTIGATION OF AER*CARRIER	*CE AND MOMENT DAT*PRESSURE	*0.03	/ *TBCA -	*EING, H.SEXTON,H.	VOLUME 02	
1477	/	*ODYNAMIC FORCES, *ORBITER 47-0	*A WERE MEASURED O*	*0.4	- *TRANSONIC WIND	*S.LUTFI,S.L. OLLM	JUNE, 1979	
CA9		*MOMENTS, AND PRES*	*N THE TOTAL VEHIC*	*0.70	*TUNNEL	*ANN/RI		
CA9P		*SURES ON 0.03-SCA*	*LE AND ON THE ORB*			*R. H. LINDAHL		
CR-151,397		*LE MODELS OF THE *	*ITER TAILCONE. TH*			*-DMS		
		MATED SPACE SHUTT	*REE-COMPONENT FOR*					
		LE ORBITER AND CA	*CE AND MOMENT DAT*					
		RRIER AIRCRAFT (M	*A WERE MEASURED O*					
		ODEL NUMBERS AX13	*N THE CARRIER RIG*					
		19P-1 AND 47-0, I	*HT TIP FIN. ORBIT*					
		N THE BOEING TRAN	*ER ELEVON HINGE M*					
		SONIC WIND TUNNEL	*OMENTS WERE ALSO *					
		*(CA9)	*MEASURED.					
		*	*					
TBCA	-	*RESULTS OF AN INV*BOEING AX1319P-1	*SIX-COMPONENT FOR*FORCE	* 0.03	, *ROCKWELL/	*W.R. COVINGTON/BO	DMS-DR-2268	
BTWT	-	*ESTIGATION OF AER*CARRIER	*CE AND MOMENT DAT*PRESSURE	*0.03	/ *TBCA -	*EING, H.SEXTON,H.	VOLUME 03	
1477	/	*ODYNAMIC FORCES, *ORBITER 47-0	*A WERE MEASURED O*	*0.4	- *TRANSONIC WIND	*S.LUTFI,S.L. OLLM	JUNE, 1979	
CA9		*MOMENTS, AND PRES*	*N THE TOTAL VEHIC*	*0.70	*TUNNEL	*ANN/RI		
CA9P		*SURES ON 0.03-SCA*	*LE AND ON THE ORB*			*R. H. LINDAHL		
CR-151,398		*LE MODELS OF THE *	*ITER TAILCONE. TH*			*-DMS		
		MATED SPACE SHUTT	*REE-COMPONENT FOR*					
		LE ORBITER AND CA	*CE AND MOMENT DAT*					
		RRIER AIRCRAFT (M	*A WERE MEASURED O*					
		ODEL NUMBERS AX13	*N THE CARRIER RIG*					
		19P-1 AND 47-0) I	*HT TIP FIN. ORBIT*					
		N THE BOEING TRAN	*ER ELEVON HINGE M*					
		SONIC WIND TUNNEL	*OMENTS WERE ALSO *					
		*(CA9)	*MEASURED.					
		*	*					

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	SCALE RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
TBCA	- *RESULTS OF AN INV*	BOEING AX1319P-1	*SIX-COMPONENT FOR*	FORCE	* 0.03	,	*ROCKWELL/	*W.R. COVINGTON/BO*	DMS-DR-2268
BTWT	- *ESTIGATION OF AER*	CARRIER	*CE AND MOMENT DAT*	PRESSURE	*0.03	/	*TBCA -	*EING, H.SEXTON,H.*	VOLUME 04
1477	/*ODYNAMIC FORCES, *	ORBITER 47-0	*A WERE MEASURED O*		*0.4	-	*TRANSONIC WIND*	S.LUTFI,S.L. OLLM*	JUNE, 1979
CA9	*MOMENTS, AND PRES*		*N THE TOTAL VEHIC*		*0.70		*TUNNEL	*ANN/RI	
CA9P	*SURES ON 0.03-SCA*		*LE AND ON THE ORB*					*R. H. LINDAHL	
CR-151,399	*LE OODELS OF THE *		*ITER TAILCONE. TH*					*-DMS	
	MATED SPACE SHUTT		*REE-COMPONENT FOR*						
	LE ORBITER AND CA		*CE AND MOMENT DAT*						
	RRIER AIRCRAFT (M		*A WERE MEASURED O*						
	ODEL NUMBERS AX13		*N THE CARRIER RIG*						
	19P-1 AND 47-0) I		*HT TIP FIN. ORBIT*						
	N THE BOEING TRAN		*ER ELEVON HINGE M*						
	SONIC WIND TUNNEL		*OMENTS WERE ALSO *						
	*(CA9)		*MEASURED.						
	*		*						
TBCA	- *RESULTS OF AN INV*	BOEING AX1319P-1	*SIX-COMPONENT FOR*	FORCE	* 0.03	,	*ROCKWELL/	*W.R. COVINGTON/BO*	DMS-DR-2268
BTWT	- *ESTIGATION OF AER*	CARRIER	*CE AND MOMENT DAT*	PRESSURE	*0.03	/	*TBCA -	*EING, H.SEXTON,H.*	VOLUME 05
1477	/*ODYNAMIC FORCES, *	ORBITER 47-0	*A WERE MEASURED O*		*0.4	-	*TRANSONIC WIND*	S.LUTFI,S.L. OLLM*	JUNE, 1979
CA9	*MOMENTS, AND PRES*		*N THE TOTAL VEHIC*		*0.70		*TUNNEL	*ANN/RI	
CA9P	*SURES ON 0.03-SCA*		*LE AND ON THE ORB*					*R. H. LINDAHL	
CR-151,400	*LE MODELS OF THE *		*ITER TAILCONE. TH*					*-DMS	
	MATED SPACE SHUTT		*REE-COMPONENT FOR*						
	LE ORBITER AND CA		*CE AND MOMENT DAT*						
	RRIER AIRCRAFT (M		*A WERE MEASURED O*						
	ODEL NUMBERS AX13		*N THE CARRIER RIG*						
	19P-1 AND 47-0) I		*HT TIP FIN. ORBIT*						
	N THE BOEING TRAN		*ER ELEVON HINGE M*						
	SONIC WIND TUNNEL		*OMENTS WERE ALSO *						
	*(CA9)		*MEASURED.						
	*		*						

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS	
CALSPAN - 8TWT	*TRANSONIC HIGH RE*140A/B/C=B26 C9 E	*TO OBTAIN BASIC S*FORCE	*MODEL	*0.015	/	*LARC	/	*H. PARRELL/RI	*DMS-DR-2269
T18-103	*YNOLDS NUMBER STA*43 F8 M16 N28 RS	*HUTTLE AERO DATA *	*.35	-	*CALSPAN -			*J. D. GAMBLE/JSC	*SEPT., 1976
LA70	/*BILITY AND CONTRO*V8 W	*THROUGH A FULL RA*	*1.20		*8-FOOT TRANSON*			*R. H. LINDAHL	
CR-147,624	*L CHARACTERISTICS*	*NGE OF ELEVON AND*	*		*IC WIND TUNNEL*-DMS				
	*OF A 0.015-SCALE *	*AILERON DEFLECTIO*	*						
	REMOTELY CONTROLL	*NS, VERIFICATION *	*						
	ED ELEVON MODEL (*	*OF DATA OBTAINED *	*						
	44-O) OF THE SPAC	*AT OTHER FACILITI*	*						
	E SHUTTLE ORBITER	*ES, AND EFFECTS O*	*						
	*TESTED IN THE CA *	*F REYNOLDS NUMBER*	*						
	*LSPAN 8-FOOT TWT *		*						
LARC	- *LOW SUPERSONIC ST*ORBITER W/ INDEPE	*TO GENERATE A DET*FORCE	*0.015	/	*LARC	/		*J. D. GAMBLE/JSC	*DMS-DR-2270
UPWT	- *ABILITY AND CONTR*NDENTLY-OPERATED	*AILED AERODYNAMIC*	*1.5	-	*LARC	-			*DEC., 1975
1118	/*OL CHARACTERISTIC*LEFT,RIGHT ELEVON*	*DATA BASE FOR TH *	*2.0		*UNITARY PLAN W*				
LA63A	*S OF A 0.015-SCAL*	*SURFACES	*		*IND TUNNEL				
CR-144,579	*E REMOTELY CONTRO*	*CONFIGURATION	*						
	LLED ELEVON MODEL		*						
	*(49-O) OF THE SP *		*						
	ACE SHUTTLE ORBIT		*						
	*ER (LA63A)		*						
LARC	- *SUPERSONIC STABIL*MODEL 69-O WITH F	*TO DETERMINE SUPE*FORCE	*0.015	/	*LARC	/		*W. P. PHILLIPS/LA	*DMS-DR-2271
UPWT	- *ITY AND CONTROL C*OREBODY RSI MODS	*RSONIC AERODYNAMI*	*1.5	-	*LARC	-		*RC	*FEB., 1977
1147	/*HARACTERISTICS OF*	*CS EFFECTS OF RSI*	*4.6		*UNITARY PLAN W*			*J. E. VAUGHN	
1132	/*A 0.015 SCALE MO *	*REDUCTION ON FOR *	*		*IND TUNNEL			*D.B. WATSON	
LA71A/B	*DEL 69-O OF THE S*	*EBODY	*					*-DMS	
CR-151,044	*PACE SHUTTLE ORBI*		*						
	TER WITH FOREBODY		*						
	*RSI MODIFICATION *		*						
	S IN THE NASA/LAR		*						
	C 4-FOOT UPWT (LE		*						
	*GS 1 AN) 2)		*						
	*		*						

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC HWTB C4A IA114 CR-151,077	- *RESULTS OF AN INV*SSV 3 - *ESTIGATION OF EXT* /*ERNAL TANK SEPARA* *TION EFFECTS USIN* *G AN 0.010-SCALE * *MODEL (52-OT) SPA* *CE SHUTTLE VEHICL* *E IN THE ARNOLD E* *NGINEERING DEVELO* *PMENT CENTER VON * *KARMAN FACILITY T* *UNNEL B		*TO INVESTIGATE AE*FORCE *RODYNAMIC INTERAC* *TIONS BETWEEN ET * *AND ORBITER DURIN* *G RTLS ABORT SEPA* *RATION		*0.010 / *ROCKWELL/ *5.93 - *AEDC - * * * * * * * * * * * * * * * * * *	*E. CHEE, J. DAILE* *DA/JSC *HYPERSONIC WIN*J. E. VAUGHN *D TUNNEL (B) *M. M. MOSER JR. *-DMS	*DMS-DR-2272 *VOLUME 01 *JUNE, 1977	
AEDC HWTB C4A IA114 CR-151,078	- *RESULTS OF AN INV*SSV 3 - *ESTIGATION OF EXT* /*ERNAL TANK SEPARA* *TION EFFECTS USIN* *G AN 0.010-SCALE * *MODEL (52-OT) SPA* *CE SHUTTLE VEHICL* *E IN THE ARNOLD E* *NGINEERING DEVELO* *PMENT CENTER VON * *KARMAN FACILITY T* *UNNEL B		*TO INVESTIGATE AE*FORCE *RODYNAMIC INTERAC* *TIONS BETWEEN ET * *AND ORBITER DURIN* *G RTLS ABORT SEPA* *RATION		*0.010 / *ROCKWELL/ *5.93 - *AEDC - * * * * * * * * * * * * * * *	*E. CHEE, J. DAILE* *DA/JSC *HYPERSONIC WIN*J. E. VAUGHN *D TUNNEL (B) *M. M. MOSER JR. *-DMS	*DMS-DR-2272 *VOLUME 02 *JUNE, 1977	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LTV	- *RESULTS OF AN AER*	AX1318I-1, 747/1,	*TO PRESENT THE PR*	FORCE	*0.0125	/	*ROCKWELL/	*R.L. GILLINS, V.E	*DMS-DR-2273
HSWT	- *ODYNAMIC INVESTIG*	747/4	*OXIMITY EFFECTS O*	PRESSURE	*0.3	-	*LTV	*SPARZA/RI	*VOLUME 01
559	/*ATION OF A SPACE	*48-O (02, 04, 06,	*F EACH VEHICLE ON*		*0.7		*HIGH SPEED WIN	*CARL ZIEGLER/GAS	*MAY, 1976
CA26	*SHUTTLE ORBITER/7*	S1, ATY, ATX)	*THE OTHER AT SEP *		*		*D TUNNEL	*DYNAMICS LAB	*
CR-144,612	*47 CARRIER FLIGHT*		*ARATION DISTANCES*		*			*D. A. SARVER	*
	*TEST CONFIGURATI *		*(FROM THE MATED *		*			*G. W. KLUG	*
	ON TO DETERMINE S		*CONFIGURATION) RA*		*			*-DMS	*
	EPARATION CHARACT		*NGING FROM 1.5 FE*		*			*	*
	ERISTICS UTILIZI		*ET TO 75 FEET. *		*			*	*
	NG 0.0125-SCALE M		*		*			*	*
	ODELS (48-O/AX131		*		*			*	*
	*8I-1) IN THE LTV *		*		*			*	*
	4X4-FOOT HIGH SPE		*		*			*	*
	ED WIND TUNNEL (C		*		*			*	*
	*A26)		*		*			*	*
	*		*		*			*	*
LTV	- *RESULTS OF AN AER*	AX1318I-1, 747/1,	*TO PRESENT THE PR*	FORCE	*0.0125	/	*ROCKWELL/	*R.L. GILLINS, V.E	*DMS-DR-2273
HSWT	- *ODYNAMIC INVESTIG*	747/4	*OXIMITY EFFECTS O*	PRESSURE	*0.3	-	*LTV	*SPARZA/RI	*VOLUME 02
559	/*ATION OF A SPACE	*48-O (02, 04, 06,	*F EACH VEHICLE ON*		*0.7		*HIGH SPEED WIN	*CARL ZIEGLER/GAS	*JUNE, 1976
CA26	*SHUTTLE ORBITER/7*	S1, ATY, ATX)	*THE OTHER AT SEP *		*		*D TUNNEL	*DYNAMICS LAB	*
CR-144,613	*47 CARRIER FLIGHT*		*ARATION DISTANCES*		*			*D. A. SARVER	*
	*TEST CONFIGURATI *		*(FROM THE MATED *		*			*G. W. KLUG	*
	ON TO DETERMINE S		*CONFIGURATION) RA*		*			*-DMS	*
	EPARATION CHARACT		*NGING FROM 1.5 FE*		*			*	*
	ERISTICS UTILIZI		*ET TO 75 FEET. *		*			*	*
	NG 0.0125-SCALE M		*		*			*	*
	ODELS (48-O/AX131		*		*			*	*
	*8I-1) IN THE LTV *		*		*			*	*
	4X4-FOOT HIGH SPE		*		*			*	*
	ED WIND TUNNEL C		*		*			*	*
	*A26)		*		*			*	*
	*		*		*			*	*

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LTV	-	*RESULTS OF AN AER*	AX1318I-1, 747/1,*	TO PRESENT THE PR*	FORCE	*0.0125 /	*ROCKWELL/	*R.L. GILLINS, V.E.*DMS-DR-2273
HSWT	-	*ODYNAMIC INVESTIG*	747/4	*OXIMITY EFFECTS O*	PRESSURE	*0.3 -	*LTV -	*SPARZA/RI *VOLUME 03
559	/	*ATION OF A SPACE	*48-O (02, 04, 06,*	F EACH VEHICLE ON*		*0.7	*HIGH SPEED WIN*	CARL ZIEGLER/GAS *JUNE, 1976
CA26		*SHUTTLE ORBITER/7*	S1, ATY, ATX)	*THE OTHER AT SEP *		*	*D TUNNEL	*DYNAMICS LAB *
CR-144,614		*47 CARRIER FLIGHT*		*ARATION DISTANCES*		*		*D. A. SARVER *
		*TEST CONFIGURATI *		*(FROM THE MATED *		*		*G. W. KLUG *
		ON TO DETERMINE S		*CONFIGURATION) RA*		*		*-DMS *
		EPARATION CHARACT		*NGING FROM 1.5 FE*		*		* *
		ERISTICS UTILIZI		*ET TO 75 FEET. *		*		* *
		NG O.0125-SCALE M				*		* *
		ODELS (48-O/AX131				*		* *
		*8I-1) IN THE LTV *				*		* *
		4X4-FOOT HIGH SPE				*		* *
		ED WIND TUNNEL (C				*		* *
		*A26)				*		* *
		*				*		* *
LTV	-	*RESULTS OF AN AER*	AX1318I-1, 747/1,*	TO PRESENT THE PR*	FORCE	*0.0125 /	*ROCKWELL/	*R.L. GILLINS, V.E.*DMS-DR-2273
HSWT	-	*ODYNAMIC INVESTIG*	747/4	*OXIMITY EFFECTS O*	PRESSURE	*0.3 -	*LTV -	*SPARZA/RI *VOLUME 04
559	/	*ATION OF A SPACE	*48-O (02, 04, 06,*	F EACH VEHICLE ON*		*0.7	*HIGH SPEED WIN*	CARL ZIEGLER/GAS *JUNE, 1976
CA26		*SHUTTLE ORBITER/7*	S1, ATY, ATX)	*THE OTHER AT SEP *		*	*D TUNNEL	*DYNAMICS LAB *
CR-144,615		*47 CARRIER FLIGHT*		*ARATION DISTANCES*		*		*D. A. SARVER *
		*TEST CONFIGURATI *		*(FROM THE MATED *		*		*G. W. KLUG *
		ON TO DETERMINE S		*CONFIGURATION) RA*		*		*-DMS *
		EPARATION CHARACT		*NGING FROM 1.5 FE*		*		* *
		ERISTICS UTILIZI		*ET TO 75 FEET. *		*		* *
		NG O.0125-SCALE M				*		* *
		ODELS (48-O/AX131				*		* *
		*8I-1) IN THE LTV *				*		* *
		4X4-FOOT HIGH SPE				*		* *
		ED WIND TUNNEL (C				*		* *
		*A26)				*		* *
		*				*		* *

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LTV HSWT 559 CA26 CR-144,616	- *RESULTS OF AN AERODYNAMIC INVESTIGATION OF A SPACE SHUTTLE ORBITER/747/4	*AX1318I-1, 747/1, 48-O (02, 04, 06, S1, ATY, ATX)	*TO PRESENT THE PROXIMITY EFFECTS OF EACH VEHICLE ON THE OTHER AT SEPARATION DISTANCES (FROM THE MATED CONFIGURATION) RANGING FROM 1.5 FEET TO 75 FEET.	*FORCE PRESSURE	*0.0125 / *0.3 - *0.7	*ROCKWELL/ *LTV - *HIGH SPEED WIND TUNNEL	*R.L. GILLINS, V.E. SPARZA/RI *CARL ZIEGLER/GAS *DYNAMICS LAB	*DMS-DR-2273 *VOLUME 05 *JUNE, 1976
	*47 CARRIER FLIGHT TEST CONFIGURATION TO DETERMINE SEPARATION CHARACTERISTICS UTILIZING 0.0125-SCALE MODELS (48-O/AX1318I-1) IN THE LTV 4X4-FOOT HIGH SPEED WIND TUNNEL (CA26)						*D. A. SARVER *G. W. KLUG *-DMS	
MSFC 14TWT 600 FA14 CR-144,593	- *AN INVESTIGATION OF DRAG REDUCTION SCENT CONFIG.)	*74-OTS, VEH. 5 (A TO DETERMINE STAT	*TO DETERMINE STAT	*FORCE	*0.6 - *4.96	*MSFC / *MSFC - *14-INCH TRISONIC WIND TUNNEL	*P. E. RAMSEY/MSFC *V. W. SPARKS *V. W. SPARKS *-DMS	*DMS-DR-2274 *FEB., 1976
	*FAIRINGS ON THE SPACE SHUTTLE VEHICLE 5 CONFIGURATION (MODEL 74-OTS) IN THE MSFC 14-INCH TRISONIC WIND TUNNEL							
ARC 14-TWT 120 CA23B CR-144,603	- *RESULTS OF AN EXPERIMENTAL INVESTIGATION TO DETERMINE SEPARATION CHARACTERISTICS FOR THE ORBITER/747 U	*O.0125-SCALE SSV ORBITER *O.0125-SCALE 747 MODEL	*LONGITUDINAL, LATERAL AND NORMAL SEPARATION INCREMENTS WERE OBTAINED FOR FIXED 747 ANGLES OF ATTACK OF 0.2, 2.4 DEGREES WHILE VARYING ORBITER ANGLE OF ATTACK	*FORCE	*0.0125 / *0.3 - *0.6	*ROCKWELL/ *ARC - *14-FOOT TRANSONIC WIND TUNNEL	*V. ESPARZA, RI, J. *BROWNSON, D. PENNA. *R. H. LINDAHL *-DMS	*DMS-DR-2275 *VOLUME 01 *MAY, 1976
	*THE AMES RESEARCH CENTER 14-FOOT WIND TUNNEL (CA23B)							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 14-TWT 120 CA23B CR-144,604	*RESULTS OF AN EXPERIMENTAL INVESTIGATION TO DETERMINE SEPARATION CHARACTERISTICS FOR THE ORBITER/747 USING A 0.0125-SCALE MODEL (48-O AX 1318I-1 747) IN THE AMES RESEARCH CENTER 14-FOOT WIND TUNNEL (CA23B)	*0.0125-SCALE SSV ORBITER	*LONGITUDINAL, LATERAL AND NORMAL SEPARATION INCREMENTS WERE OBTAINED FOR FIXED 747 ANGLES OF ATTACK OF 0, 2, 4 DEGREES WHILE VARYING ORBITER ANGLE OF ATTACK	*FORCE	*0.0125 / *0.3 - *0.6	*ROCKWELL / *ARC - *14-FOOT TRANSONIC WIND TUNNEL	*V. ESPARZA, R. J. *BROWNSON, D. PENA, *R. H. LINDAHL	*DMS-DR-2275 *VOLUME 02 *MAY, 1976
AEDC SWTA E1A FH13 CR-151,055	*HEAT TRANSFER AND SURFACE PRESSURE DATA OBTAINED ON A .0429 SCALE MODEL (10-DEGREE) G-40-DEGREE NOSE SECTION (NO PROTUBERANCES) DOUBLE CONE WITH PROTUBERANCES TANK. (FH13)	*40-DEG NOSE-CLEAN (NO PROTUBERANCES)	*DETERMINE THE INFLUENCE OF A NEW VERMONT CAP/LIGHTNING ROD CONFIGURATION WHICH FORMS THE NOSE TIP ON THE SHUTTLE EXTERNAL TANK.	*HEAT-TRANS	*2.5 - *5.5	*MSFC / *AEDC - *SUPERSONIC WIND TUNNEL (A)	*H. R. CARROLL, *J. E. VAUGHN, *M. M. MANN	*DMS-DR-2276 *JUNE, 1977
MSFC HRWT O34 SA13F CR-144,579	*FORCE TEST OF A .88 PERCENT SCALE 142-INCH DIAMETER SOLID ROCKET BOOSTER (MSFC MODEL NUMBER 461) IN THE NASA/MSFC HIGH REYNOLDS NUMBER WIND TUNNEL	*MODEL 461, 142-INCH DIA. WITHOUT PROTUBERANCES	*TO OBTAIN AERODYNAMIC FORCE DATA OVER A LARGE RANGE OF REYNOLDS NUMBERS	*FORCE	*0.88 / *0.6 - *0.7	*MSFC / *MSFC - *HIGH REYNOLDS NUMBER WIND TUNNEL	*J. D. JOHNSON, *C. W. WINKLER, *V. W. SPARKS	*DMS-DR-2277 *JULY, 1976

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC LTPT 219 LA61	- *LOW-SUBSONIC STAB* - *ILITY AND CONTROL* /*CHARACTERISTICS * *OF A 0.010-SCALE * *REMOTELY CONTROLL* *ED ELEVON MODEL (* *49-0) OF THE SPAC* *E SHUTTLE ORBITER* *IN THE LANGLEY R * *ESEARCH CENTER LO* *W TURBULENCE PRES* *SURE TUNNEL * *	*TEST CANCELLED, M* *AY 1976 * * * * * * * * * * * *	*TEST CANCELLED, M* *AY 1976 * * * * * * * * * * * *	*FORCE * * * * * * * * * * * *	* 0.015 / * *0.06 - * *0.30 * * * * * * * * * * *	*LARC / * *LARC - * *LOW-TURBULENCE* *PRESSURE TUNN * *EL * * * * * * * * * *	*B. SPENCER, JR./L* *ARC * *G. WARE/LARC * * * * * * * * * * *	*DMS-DR-2278 * *TASK * *CANCELLED * *MAY, 1976 * * * * * * * * * *
LARC UPWT 1151 LA63B CR-144,606	- *HIGH SUPERSONIC S* - *TABILITY AND CONT* /*ROL CHARACTERISTI* *CS OF A 0.015-SCA* *LE (REMOTELY CONT* *ROLLED ELEVON) MO* *DEL 49-0 OF THE S* *PACE SHUTTLE ORBI* *TER TESTED IN THE* *NASA/LARC 4-FOOT * *UPWT(LEG 2) * *	*140A/B/C (B26 C9 * *E43 F8 M16 N28 R5* /*ROL CHARACTERISTI* *CS OF A 0.015-SCA* *LE (REMOTELY CONT* *ROLLED ELEVON) MO* *DEL 49-0 OF THE S* *PACE SHUTTLE ORBI* *TER TESTED IN THE* *NASA/LARC 4-FOOT * *UPWT(LEG 2) * *	*TO GENERATE A DET* *AILED AERODYNAMIC* *DATA BASE FOR CU * *RRENT SS ORB. CON* *F. * * * * * * * * * *	*FORCE * * * * * * * * * * * *	*2.86 - * *4.60 * * * * * * * * * * *	*LARC / * *LARC - * *UNITARY PLAN W* *IND TUNNEL * * * * * * * * * *	*B. SPENCER, JR., * *G. WARE, R. FOURN* *IER/LARC * *J. GAMBLE/JSC * *J. W. BALL * *J. E. VAUGHN * *-DMS * * * * * *	*DMS-DR-2279 * *JUNE, 1976 * * * * * * * * * * *
LTV HSWT 498 LA28 CR-144,582	- *HEAT-FLUX GAGE ME* - *ASUREMENTS ON A F* /*LAT PLATE AT A MA* *CH NUMBER OF 4.6 * *IN THE VSD HIGH S* *PEED WIND TUNNEL-* *-A FEASIBILITY TE* *ST (LA28) * *	*FLAT-PLATE MODEL * *WITH THIN-FILM H* *EAT FLUX GAGES * * * * * * * * *	*TO DETERMINE FEAS* *IBILITY OF USING * *THIN-FILM HEAT-FL* *UX GAGES TO DEFIN* *E BOUNDARY LAYER * *CHARACTERISTICS A* *T SUPERSONIC SPEE* *DS * *	*HEAT-TRANS* * * * * * * * *	*1.0 / * *4.6 - * *4.6 * * * * * * *	*LARC / * *LTV - * *HIGH SPEED WIN* *D TUNNEL * * * * * * *	*B. SPENCER, JR., * *R. L. STALLINGS / * *LARC * *T. C. POPE / LTV * *J. W. BALL * *M. M. MOSER JR. * *-DMS * * *	*DMS-DR-2280 * *JAN., 1976 * * * * * * * *

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 12PT 135-1 LA66 CR-147,621	- *SUBSONIC STABILITY - *Y AND CONTROL CHARACTERISTICS OF A /*O.015-SCALE (REMODEL) *TELY CONTROLLED *ELEVON) MODEL 44- *O OF THE SPACE SHUTTLE ORBITER TESTED IN THE NASA, ARC 12-FOOT PRESSURE TUNNEL (LA66	*BASELINE	*DEFINE NON-LINEAR AERODYNAMIC CHARACTERISTICS UTILIZING SMALL INCREMENTS IN ALPHA, BETA, TA, AND ELEVON	*FORCE	* 0.015 / *0.22 - *0.29	*LARC / *ARC - *12-FOOT PRESSURE TUNNEL	*J.M. UNDERWOOD/JS *C *H. PARRELL/ROCKWELL *LL INTERNATIONAL *D.B. WATSON *DMS	*DMS-DR-2281 *SEPT., 1976
LERC 10SWT 038 IH34 CR-151,407	- *BASE PRESSURE AND HEAT TRANSFER TESTS OF THE O.0225-SCALE SPACE SHUTTLE PLUME SIMULATOR MODEL 19-OTS /*O.0225-SCALE SPACE SHUTTLE PLUME SIMULATOR MODEL 19-OTS *IN THE NASA-LEWIS 10X10 FOOT SW	*OBTAIN BASE DATA AT LOWER ALTITUDE THAN PREVIOUSLY TESTED OBTAIN BASE DATA ABOUT 80 DEGREE PARALLEL POSITION ON VERIFY PREVIOUS BASE DATA OBTAIN N GAS RECOVERY TEMPERATURE DATA	*HEAT-TRANSFER	*O.0225	/*ROCKWELL/ *LERC - *3.5	*10 BY 10-FOOT *DMS *SUPERSONIC WIND TUNNEL	*J.W. FOUST/RI *D.W. HERSEY *DMS	*DMS-DR-2282 *APRIL, 1978
LTV LSWT 422 MA14 CR-147,649	- *A LOW SPEED WIND TUNNEL TEST OF A O.050 SCALE MODEL OF SHUTTLE ORBITER (MODEL 089B) TO INVESTIGATE THE LONGITUDINAL AND LATERAL DIRECTIONAL EFFECTS OF CANARD AND TAIL CONFIGURATIONS IN THE LTV LSWT	*ORBITER 089B	*CONFIGURATIONAL EFFECTS STUDY FOR 6 CANARDS AND TWO TAILS ON ORBITER 089B	*FORCE	*.050 / *.067 - *.067	*MSC / *LTV - *LOW SPEED WIND TUNNEL	*D.B. WATSON *DMS	*DMS-DR-2283 *NOV., 1976

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 97SWT 113 11TWT IS2A/B CR-151,035	- *AERODYNAMIC NOISE*INTEGRATED SPACE - *OF THE O.035-SCA *SHUTTLE VEHICLE /*LE INTEGRATED SPA*84-OTS - *CE SHUTTLE VEHICL* *E MODEL (84-OTS) * *IN THE NASA-AMES * *RESEARCH CENTER U* *NITARY PLAN WIND * *TUNNELS (IS2A/B) *	*TO MEASURE AERODY*STRUCT-DYN*O.035 / *NAMIC NOISE ON TH* *E INTEGRATED SHUT* *TLE, TO MEASURE F* *LUCTUATING PRESSU* *RES IN THE ORBITE* *R PAYLOAD BAY DUE* *TO AERODYNAMIC * *FLOW ACROSS THE V* *ENT SYSTEM HOLES,* *TO DEFINE FORE A * *ND AFT BUFFET LOA* *DS ON THE VERTICA* *L TAIL	*0.65 - 2.5	*ROCKWELL/ *ARC - *9-FOOT BY 7-FO*W. B. MEINDERS *OT SUPERSONIC *-DMS *WIND TUNNEL (U* *NITARY) *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY)	*J. W. FOUST/RI *D. L. KASSNER/ARC* *W. B. MEINDERS *DMS *MAY, 1977	*DMS-DR-2284 *VOLUME 01		
ARC 97SWT 113 11TWT IS2A/B CR-151,036	- *AERODYNAMIC NOISE*INTEGRATED SPACE - *OF THE O.035-SCA *SHUTTLE VEHICLE /*LE INTEGRATED SPA*84-OTS - *CE SHUTTLE VEHICL* *E MODEL (84-OTS) * *IN THE NASA-AMES * *RESEARCH CENTER U* *NITARY PLAN WIND * *TUNNELS (IS2A/B) *	*TO MEASURE AERODY*STRUCT-DYN*O.035 / *NAMIC NOISE ON TH* *E INTEGRATED SHUT* *TLE, TO MEASURE F* *LUCTUATING PRESSU* *RES IN THE ORBITE* *R PAYLOAD BAY DUE* *TO AERODYNAMIC * *FLOW ACROSS THE V* *ENT SYSTEM HOLES,* *TO DEFINE FORE A * *ND AFT BUFFET LOA* *DS ON THE VERTICA* *L TAIL	*0.65 - 2.5	*ROCKWELL/ *ARC - *9-FOOT BY 7-FO*W. B. MEINDERS *OT SUPERSONIC *-DMS *WIND TUNNEL (U* *NITARY) *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY)	*J. W. FOUST/RI *D. L. KASSNER/ARC* *W. B. MEINDERS *DMS *MAY, 1977	*DMS-DR-2284 *VOLUME 02		
AEDC HWTB VA526/21B/OH50A CR-144,595	- *RESULTS OF TESTS *82-0, WITH AND WI* - *USING THE PHASE C*THOUT PROTUBERANC* /*HANGE PAINT TECHN*ES, 50% FOREBODY - *IQUE ON O.04 SCAL*MODELS *E 50 PERCENT FORE* *BODY MODELS (82-0* *) OF THE ROCKWELL* *SPACE SHUTTLE OR * *BITER	*TO DETERMINE AERO*HEAT-TRANS*O.04 *DYNAMIC AERODYNAM* *IC HEATING RATES * *DUE TO VARIOUS PR* *OTUBERANCES AND R* *ECESSIONS	*0.04 8.0 8.0	*ROCKWELL/ *AEDC - *HYPERSONIC WIN*M. M. MOSER JR. *D TUNNEL (B) *-DMS	*M. QUAN/RI *D. A. SARVER *M. M. MOSER JR. *DMS	*DMS-DR-2285 *APRIL, 1976		

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WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD	- *RESULTS OF A LAND*SPACE SHUTTLE ORB*	TO DEFINE THE ORB*	FORCE		*O.0405 /	*ROCKWELL/	*R.B.RUSSELL, R.	C*DMS-DR-2289
LSWT	- *ING LOADS TEST US*ITER 140C	*ITER LANDING GEAR*	PRESSURE		*O.17 -	*NRLAD -	*. MENNELL/RI	*VOLUME 01
751	/*ING A O.0405-SCAL*	*SYSTEM PRESSURE *			*O.17	*LOW SPEED WIND*	*D.W.HERSEY	*DEC., 1976
OA163	*E MODEL (16-O) OF*	*LOADING, TO RECOR*			*	*TUNNEL	*W. B. MEINDERS	*
CR-147,611	*THE SPACE SHUTTL *	*D LANDING GEAR DO*			*		*-DMS	*
	*E ORBITER IN THE *	*OR AND STRUT HING*			*			*
	ROCKWELL INTERNAT	*E MOMENT LEVELS, *			*			*
	IONAL NAAL WIND T	*TO RECORD AERODYN*			*			*
	*UNNEL (OA163) *	*AMIC INFLUENCE OF*			*			*
	*	*LANDING GEAR ON *			*			*
	*	*ORBITER FORCE DAT*			*			*
	*	*A AND TO INVESTIG*			*			*
	*	*ATE 40X80 ARC TUN*			*			*
	*	*NEL STRUT SIMULAT*			*			*
	*	*ION EFFECTS. *			*			*
	*	*			*			*
NRLAD	- *RESULTS OF A LAND*SPACE SHUTTLE ORB*	TO DEFINE THE ORB*	FORCE		*O.0405 /	*ROCKWELL/	*R.B.RUSSELL, R.	C*DMS-DR-2289
LSWT	- *ING LOADS TEST US*ITER 140C	*ITER LANDING GEAR*	PRESSURE		*O.17 -	*NRLAD -	*. MENNELL/RI	*VOLUME 02
751	/*ING A O.0405-SCAL*	*SYSTEM PRESSURE *			*O.17	*LOW SPEED WIND*	*D.W.HERSEY	*DEC., 1976
OA163	*E MODEL (16-O) OF*	*LOADING, TO RECOR*			*	*TUNNEL	*W. B. MEINDERS	*
CR-147,612	*THE SPACE SHUTTL *	*D LANDING GEAR DO*			*		*-DMS	*
	*E ORBITER IN THE *	*OR AND STRUT HING*			*			*
	ROCKWELL INTERNAT	*E MOMENT LEVELS, *			*			*
	IONAL NAAL WIND T	*TO RECORD AERODYN*			*			*
	*UNNEL (OA163) *	*AMIC INFLUENCE OF*			*			*
	*	*LANDING GEAR ON *			*			*
	*	*ORBITER FORCE DAT*			*			*
	*	*A AND TO INVESTIG*			*			*
	*	*ATE 40X80 ARC TUN*			*			*
	*	*NEL STRUT S MULAT*			*			*
	*	*ION EFFECTS. *			*			*
	*	*			*			*

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL *MACH	SCALE RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC *PUBLICATIONS *OR COMMENTS
NRLAD	- *RESULTS OF A LAND*SPACE SHUTTLE ORB*	TO DEFINE THE ORB*	FORCE		*0.0405	/	*ROCKWELL/	*R.B.RUSSELL, R.	C*DMS-DR-2289
LSWT	- *ING LOADS TEST US*ITER 140C	*ITER LANDING GEAR*	PRESSURE		*0.17 -		*NRLAD -	*. MENNELL/RI	*VOLUME 03
751	/*ING A 0.0405-SCAL*	*SYSTEM PRESSURE *			*0.17		*LOW SPEED WIND*	*D.W.HERSEY	*DEC., 1976
OA163	*E MODEL (16-O) OF*	*LOADING, TO RECOR*			*		*TUNNEL	*W. B. MEINDERS	*
CR-147,615	*THE SPACE SHUTTL *	*D LANDING GEAR DO*			*			*-DMS	*
	*E ORBITER IN THE *	*OR AND STRUT HING*			*				*
	ROCKWELL INTERNAT	*E MOMENT LEVELS, *			*				*
	IONAL NAAL WIND T	*TO RECORD AERODYN*			*				*
	*UNNEL (OA163) *	*AMIC INFLUENCE OF*			*				*
	*	*LANDING GEAR ON *			*				*
	*	*ORBITER FORCE DAT*			*				*
	*	*A AND TO INVESTIG*			*				*
	*	*ATE 40X80 ARC TUN*			*				*
	*	*NEL STRUT SIMULAT*			*				*
	*	*ION EFFECTS. *			*				*
	*	*			*				*
NRLAD	- *RESULTS OF A LAND*SPACE SHUTTLE ORB*	TO DEFINE THE ORB*	FORCE		*0.0405	/	*ROCKWELL/	*R.B.RUSSELL, R.	C*DMS-DR-2289
LSWT	- *ING LOADS TEST US*ITER 140C	*ITER LANDING GEAR*	PRESSURE		*0.17 -		*NRLAD -	*. MENNELL/RI	*VOLUME 04
751	/*ING A 0.0405-SCAL*	*SYSTEM PRESSURE *			*0.17		*LOW SPEED WIND*	*D.W.HERSEY	*DEC., 1976
OA163	*E MODEL (16-O) OF*	*LOADING, TO RECOR*			*		*TUNNEL	*W. B. MEINDERS	*
CR-147,614	*THE SPACE SHUTTL *	*D LANDING GEAR DO*			*			*-DMS	*
	*E ORBITER IN THE *	*OR AND STRUT HING*			*				*
	ROCKWELL INTERNAT	*E MOMENT LEVELS, *			*				*
	IONAL NAAL WIND T	*TO RECORD AERODYN*			*				*
	*UNNEL (OA163) *	*AMIC INFLUENCE OF*			*				*
	*	*LANDING GEAR ON *			*				*
	*	*ORBITER FORCE DAT*			*				*
	*	*A AND TO INVESTIG*			*				*
	*	*ATE 40X80 ARC TUN*			*				*
	*	*NEL STRUT SIMULAT*			*				*
	*	*ION EFFECTS. *			*				*
	*	*			*				*

WIND TUNNEL TEST / DMS DATA PROCESSING

244

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH	SCALE RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC	- *	*	*	*FORCE	*		*LARC /	*D.B. WATSON	*DMS-DR-2292
LTPT	- *	*	*	*	*		*LARC -	*-DMS	*TO LRC
214	/*	*	*	*	*		*LOW-TURBULENCE*		*
LA36B	*	*	*	*	*		*PRESSURE TUNN	*	*
	*	*	*	*	*		*EL	*	*
	*	*	*	*	*		*	*	*
AEDC	- *RESULTS OF TESTS	*MODEL 75-OTS (72-	*TO OBTAIN PROXIMI*	*FORCE	*0.010	/	*ROCKWELL/	*J. J. DAILED, J.	*DMS-DR-2293
SWTA	- *USING A 0.010-SCA*	*O WING, 140C MOD.*	*TY FORCE AND MOME*		*4.5	-	*AEDC -	*MARROQUIN/RI	*DEC., 1977
K1A	/*LE SSV MODEL 75-0*	*FUSELAGE, ET, SR	*NT DATA FOR ET AN*		*		*SUPERSONIC WIN*	*J. E. VAUGHN	*
IA40	*TS IN THE AEDC VK*B)		*D SRB WITH SRB SE*		*		*D TUNNEL (A)	*M. M. MOSER JR.	*
CR-151.381	*F TUNNEL A		*PARATION MOTOR PL*		*		*-DMS		*
	*		*UME EFFECTS		*		*		*
	*		*		*		*		*
NRLAD	- *RESULTS OF TESTS	*140A/B SS ORBITER*	*TO DEFINE AND VER*	*FORCE	*0.0405	/	*ROCKWELL/	*M. T. HUGHES/RI	*DMS-DR-2294
LSWT	- *OF A SPACE SHUTTL*	(MODEL 43-O) ORB	*IFY ORBITER STABI*	*PRESSURE	*0.13	-	*NRLAD -	*D.W.HERSEY	*VOLUME 01
752	/*E ORBITER FERRY C*	*ITER FERRY CONFIG*	*LITY AND CONTROL *		*0.26		*LOW SPEED WIND*	*G. W. KLUG	*JUNE, 1981
OA172	*ONFIGURATION USIN*	*URATION	*CHARACTERISTICS, *		*		*TUNNEL	*-DMS	*
CR-160.822	*G A 140A/B 0.0405*		*BOTH IN AND OUT O*		*		*		*
	*-SCALE MODEL (43-		*F THE PRESENCE OF*		*		*		*
	O) IN THE ROCKWEL		*THE GROUND, WITH *		*		*		*
	L INTERNATIONAL 7		*THE FERRY CONFIG *		*		*		*
	.75 X 11 FOOT LOW		*URATION AFTERBODY*		*		*		*
	*SPEED WIND TUNNE *		*INSTALLED		*		*		*
	*L (OA172)		*		*		*		*
	*		*		*		*		*
NRLAD	- *RESULTS OF TESTS	*140A/B SS ORBITER*	*TO DEFINE AND VER*	*FORCE	*0.0405	/	*ROCKWELL/	*M. T. HUGHES/RI	*DMS-DR-2294
LSWT	- *OF A SPACE SHUTTL*	(MODEL 43-O) ORB	*IFY ORBITER STABI*	*PRESSURE	*0.13	-	*NRLAD -	*D.W.HERSEY	*VOLUME 02
752	/*E ORBITER FERRY C*	*ITER FERRY CONFIG*	*LITY AND CONTROL *		*0.26		*LOW SPEED WIND*	*G. W. KLUG	*JUNE, 1981
OA172	*ONFIGURATION USIN*	*URATION	*CHARACTERISTICS, *		*		*TUNNEL	*-DMS	*
CR-160.823	*G A 140A/B 0.0405*		*BOTH IN AND OUT O*		*		*		*
	*-SCALE MODEL (43-		*F THE PRESENCE OF*		*		*		*
	O) IN THE ROCKWEL		*THE GROUND, WITH *		*		*		*
	L INTERNATIONAL 7		*THE FERRY CONFIG *		*		*		*
	.75 X 11 FOOT LOW		*URATION AFTERBODY*		*		*		*
	*SPEED WIND TUNNE *		*INSTALLED		*		*		*
	*L (OA172)		*		*		*		*
	*		*		*		*		*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *RESULTS OF AN INV*ET ALONE T34	*A THIN-SKIN THERM*HEAT-TRANS	*0.0175	/	*ROCKWELL/	*W.H. DYE/ROCKWELL	*DMS-DR-2295	
SWTA	- *ESTIGATION OF THE*ORBITER ALONE B6*OCUPLE TEST WAS *		*3.01 -		*AEDC -	*INTERNATIONAL	*VOLUME 01	
A4A	/*SPACE SHUTTLE IN *2C12E52F10M16R18V*CONDUCTED TO OBTA*		*4.01		*SUPersonic WIN*K.W. NUTT/ARO INC*	*SEPT., 1977		
IH41B	*TEGRATED VEHICLE *8W116	*IN HEAT-TRANSFER *			*D TUNNEL (A) *			
CR-151,069	*AERODYNAMIC HEATI*ORBITER + TANK B6*DATA ON THE SPACE*					*D. A. SARVER		
	*NG CHARACTERISTIC*2C12E52F10M16R185*SHUTTLE INTEGRAT *					*G. W. KLUG		
	*S OBTAINED USING *23T34V8W116	*ED VEHICLE DURING*				*-DMS		
	*THE 0.0175-SCALE *	*THE ASCENT PHASE *						
	MODEL 60-OTS IN A	*OF ITS FLIGHT PRO*						
	EDC TUNNEL A DURI	*FILE						
	*NG TESTS IH41B *							
AEDC	- *RESULTS OF AN INV*ET ALONE T34	*A THIN-SKIN THERM*HEAT-TRANS	*0.0175	/	*ROCKWELL/	*W.H. DYE/ROCKWELL	*DMS-DR-2295	
SWTA	- *ESTIGATION OF THE*ORBITER ALONE B6*OCUPLE TEST WAS *		*3.01 -		*AEDC -	*INTERNATIONAL	*VOLUME 02	
A4A	/*SPACE SHUTTLE IN *2C12E52F10M16R18V*CONDUCTED TO OBTA*		*4.01		*SUPersonic WIN*K.W. NUTT/ARO INC*	*SEPT., 1977		
IH41B	*TEGRATED VEHICLE *8W116	*IN HEAT-TRANSFER *			*D TUNNEL (A) *			
CR-151,070	*AERODYNAMIC HEATI*ORBITER + TANK B6*DATA ON THE SPACE*					*D. A. SARVER		
	*NG CHARACTERISTIC*2C12E52F10M16R185*SHUTTLE INTEGRAT *					*G. W. KLUG		
	*S OBTAINED USING *23T34V8W116	*ED VEHICLE DURING*				*-DMS		
	*THE 0.0175-SCALE *	*THE ASCENT PHASE *						
	MODEL 60-OTS IN A	*OF ITS FLIGHT PRO*						
	EDC TUNNEL A DURI	*FILE						
	*NG TESTS IH41B *							
AEDC	- *RESULTS OF AN INV*ET ALONE T34	*A THIN-SKIN THERM*HEAT-TRANS	*0.0175	/	*ROCKWELL/	*W.H. DYE/ROCKWELL	*DMS-DR-2295	
SWTA	- *ESTIGATION OF THE*ORBITER ALONE B6*OCUPLE TEST WAS *		*3.01 -		*AEDC -	*INTERNATIONAL	*VOLUME 03	
A4A	/*SPACE SHUTTLE IN *2C12E52F10M16R18V*CONDUCTED TO OBTA*		*4.01		*SUPersonic WIN*K.W. NUTT/ARO INC*	*SEPT., 1977		
IH41B	*TEGRATED VEHICLE *8W116	*IN HEAT-TRANSFER *			*D TUNNEL (A) *			
CR-151,071	*AERODYNAMIC HEATI*ORBITER + TANK B6*DATA ON THE SPACE*					*D. A. SARVER		
	*NG CHARACTERISTIC*2C12E52F10M16R185*SHUTTLE INTEGRAT *					*G. W. KLUG		
	*S OBTAINED USING *23T34V8W116	*ED VEHICLE DURING*				*-DMS		
	*THE 0.0175-SCALE *	*THE ASCENT PHASE *						
	MODEL 60-OTS IN A	*OF ITS FLIGHT PRO*						
	EDC TUNNEL A DURI	*FILE						
	*NG TESTS IH41B *							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *RESULTS OF AN INV*ET ALONE T34	*A THIN-SKIN THERM*	HEAT-TRANS	*O.0175	/	*ROCKWELL/	*W.H. DYE/ROCKWELL	*DMS-DR-2295	
SWTA	- *ESTIGATION OF THE*ORBITER ALONE B6*	OCUPLE TEST WAS *		*3.01	-	*AEDC -	*INTERNATIONAL	*VOLUME 04	
A4A	/ *SPACE SHUTTLE IN *2C12E52F10M16R18V*	CONDUCTED TO OBTA*		*4.01		*SUPERSONIC WIN*	K.W. NUTT/ARO INC*	OCT., 1977	
IH41B	*TEGRATED VEHICLE *8W116	*IN HEAT-TRANSFER *		*		*D TUNNEL (A)	*	*	
CR-151,072	*AERODYNAMIC HEATI*ORBITER + TANK B6*	DATA ON THE SPACE*		*			*D. A. SARVER	*	
	*NG CHARACTERISTIC*2C12E52F10M16R185*	SHUTTLE INTEGRAT *		*			*G. W. KLUG	*	
	*S OBTAINED USING *23T34V8W116	*ED VEHICLE DURING*		*			*-DMS	*	
	*THE O.0175-SCALE *	*THE ASCENT PHASE *		*			*	*	
	MODEL 60-OTS IN A	*OF ITS FLIGHT PRO*		*			*	*	
	EDC TUNNEL A DURI	*FILE		*			*	*	
	*NG TESTS IH41B *	*		*			*	*	
	*	*		*			*	*	
AEDC	- *RESULTS OF AN INV*ET ALONE T34	*A THIN-SKIN THERM*	HEAT-TRANS	*O.0175	/	*ROCKWELL/	*W.H. DYE/ROCKWELL	*DMS-DR-2295	
SWTA	- *ESTIGATION OF THE*ORBITER ALONE B6*	OCUPLE TEST WAS *		*3.01	-	*AEDC -	*INTERNATIONAL	*VOLUME 05	
A4A	/ *SPACE SHUTTLE IN *2C12E52F10M16R18V*	CONDUCTED TO OBTA*		*4.01		*SUPERSONIC WIN*	K.W. NUTT/ARO INC*	OCT., 1977	
IH41B	*TEGRATED VEHICLE *8W116	*IN HEAT-TRANSFER *		*		*D TUNNEL (A)	*	*	
CR-151,073	*AERODYNAMIC HEATI*ORBITER + TANK B6*	DATA ON THE SPACE*		*			*D. A. SARVER	*	
	*NG CHARACTERISTIC*2C12E52F10M16R185*	SHUTTLE INTEGRAT *		*			*G. W. KLUG	*	
	*S OBTAINED USING *23T34V8W116	*ED VEHICLE DURING*		*			*-DMS	*	
	*THE O.0175-SCALE *	*THE ASCENT PHASE *		*			*	*	
	MODEL 60-OTS IN A	*OF ITS FLIGHT PRO*		*			*	*	
	EDC TUNNEL A DURI	*FILE		*			*	*	
	*NG TESTS IH41B *	*		*			*	*	
	*	*		*			*	*	
LARC	- *SHUTTLE MODEL TAI*.03614-SCALE ORBI*	TO DETERMINE THE *	PRESSURE	*.03614	/	*LARC /	*BERNARD SPENCER,G*	*DMS-DR-2296	
LTPT	- *LCONE PRESSURE DI*TER MODEL OF A 08*	SENSITIVITY OF TH*		*.20	-	*LARC -	*GEORGE M. WARE/LAR*	*VOLUME 01	
229	/ *STRIBUTION AT LOW*9B CONFIGURATION *E	TAILCONE TO CHA*		*.30		*LOW-TURBULENCE*	C	*AUGUST, 1976	
LA81	*SUBSONIC SPEEDS *WITH A 139B CONFI*	NGES IN REYNOLDS *		*		*PRESSURE TUNN	*R. H. LINDAHL	*	
CR-147,609	*OF A O.03614-SCAL*	GURATION NOSE FOR*	NUMBER, DETERMINE *	*		*EL	*-DMS	*	
	*E MODEL IN THE NA*WARD OF F.S. 500.*	THE PRESSURE DIST*		*			*	*	
	SA/LARC LOW TURBU	*RIBUTION OVER THE*		*			*	*	
	LENCE PRESSURE TU	*TAILCONE FOR STR *		*			*	*	
	*NNEL (LA81)	*UCTURAL DESIGN PU*		*			*	*	
	*	*RPOSES, AND TO DET*		*			*	*	
	*	*ERMINATE THE INTERF*		*			*	*	
	*	*ERENCE EFFECTS OF *		*			*	*	
	*	*THREE TYPES OF WI*		*			*	*	
	*	*ND TUNNEL MOUNTIN*		*			*	*	
	*	*G TECHNIQUES ON T*		*			*	*	
	*	*HE TAILCONE		*			*	*	
	*	*		*			*	*	

WIND TUNNEL TEST / DMS DATA PROCESSING

247

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC LTPT 229 LAB1 CR-147,610	*SHUTTLE MODEL TAI* *LCONE PRESSURE DI* /*STRIBUTION AT LOW* *SUBSONIC SPEEDS * *OF A 0.03614-SCAL*	*.03614-SCALE ORBI* *TER MODEL OF A 08* *9B CONFIGURATION * *WITH A 139B CONFI* *GURATION NOSE FOR*	*TO DETERMINE THE * *SENSITIVITY OF TH* *E TAILCONE TO CHA* *NGES IN REYNOLDS * *NUMBER, DETERMINE *	*PRESSURE	*.03614 / *.20 - *.30	*LARC / *LARC - *LOW-TURBULENCE* *PRESSURE TUNN* *EL	*BERNARD SPENCER, G* *GEORGE M. WARE/LAR* *C *R. H. LINDAHL *-DMS	*DMS-DR-2296 *VOLUME 02 *AUGUST, 1976
LARC UPWT 1145 LA45A/B CR-147,628	*HIGH SUPERSONIC A* *ERODYNAMIC CHARAC* /*TERISTICS OF FIVE* *IRRIGULAR PLANFO * *RM WINGS WITH SYS*	*WING *FILLET SWEEP *IRREGULAR PLANFO * *WINGS WITH SYS*	*ESTABLISH GUIDLIN* *ES FOR LINEARIZAT* *ION OF ORBITER AE* *RODYNAMIC CHARACT* *ERISTICS	*FORCE	*1.0 / *2.36 - *3.7	*LARC / *LARC - *UNITARY PLAN W* *IND TUNNEL *-DMS	*GEO. WARE, B. SPE* *NCER/LARC *J. W. BALL *D.B. WATSON *-DMS	*DMS-DR-2297 *NOV., 1976

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC	- *LOW SPEED STABILI*	*SSV ORBITER MODEL*	*TO DETERMINE LOW*	*FORCE	*0.015 /	*LARC /	*BERNARD SPENCER/L*	*DMS-DR-2298
LTPT	- *TY AND CONTROL CH*	*69-0	*SPEED STABILITY A*		*0.25 -	*LARC -	*ARC	*MAY, 1978
227	/*ARACTERISTICS OF *		*ND CONTROL CHARAC*		*0.25	*LOW-TURBULENCE*	*J. W. BALL	*
LTPT	- *A 0.015 SCALE MOD*		*TERISTICS OF THE *		*	*PRESSURE TUNN*	*M. M. MANN	*
238	/*EL 69-0 OF THE SP*		*SPACE SHUTTLE ORB*		*	*EL	*-DMS	*
LA73A	*ACE SHUTTLE ORBIT*		*ITER WITH FOREBOD*		*	*LOW-TURBULENCE*		*
LA73B	*ER WITH FOREBODY *		*Y RSI MODIFICATIO*		*	*PRESSURE TUNN *		*
CR-151,409	*RSI MODIFICATIONS*		*NS		*	*EL		*
	*IN THE NASA/LARC *				*			*
	LOW TURBULENCE PR				*			*
	ESSURE TUNNEL (LA				*			*
	*73A/B)				*			*
	*				*			*
LARC	- *DYNAMIC STABILITY*	*ORBITER/747 FERRY*	*TO MEASURE PITCH,*	*FORCE	*0.015 /	*LARC /	*D. C. FREEMAN, JR.*	*DMS-DR-2299
710HST	- *CHARACTERISTICS *	*VEHICLE	*YAW, ROLL DAMPIN *		*0.2 -	*LARC -	*., R. P. BOYDEN/L*	*JUNE, 1977
999	/*OF THE COMBINATIO*		*G, NORMAL FORCE D*		*0.5	*HIGH SPEED 7 B*	*ARC	*
LA80	*N SPACE SHUTTLE O*		*UE TO PITCH RATE,*		*	*Y 10-FOOT TUNN*	*R. H. LINDAHL	*
TM-X	*ORBITER AND FERRY*		*AND YAWING MOMENT*		*	*EL	*-DMS	*
3497	*COMBINATION		*DUE TO ROLL RATE *		*			*
	*		*AND ROLLING MOMEN*		*			*
	*		*NT DUE TO YAW RAT*		*			*
	*		*E		*			*
	*		*		*			*
LARC	- *LOW-SUBSONIC STAB*	*140A/B/C (B26 C9	*TO GENERATE A DET*	*FORCE	*0.015 /	*LARC /	*B. SPENCER, JR.,	*DMS-DR-2300
LTPT	- *ILITY AND CONTROL*	*E43 F8 M16 N28 R5*	*AILED AERODYNAMIC*		*0.15 -	*LARC -	*G. WARE/LARC	*OCT., 1976
228	/*CHARACTERISTICS *	*V8 W)	*DATA BASE FOR CU *		*0.25	*LOW-TURBULENCE*	*W. B. MEINDERS	*
LA61B	*OF A 0.015-SCALE *		*RRENT SS CONFIGUR*		*	*PRESSURE TUNN *	*-DMS	*
CR-147,629	*REMOELY CONTROLL*		*ATION		*	*EL		*
	ED ELEVON MODEL (*			*
	44-0 OF THE SPAC				*			*
	E SHUTTLE ORBITER				*			*
	*IN THE LANGLEY R *				*			*
	ESEARCH CENTER LO				*			*
	W TURBULENCE PRES				*			*
	*SURE TUNNEL				*			*
	*				*			*

WIND TUNNEL TEST / DMS DATA PROCESSING

249

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *RESULTS OF PHASE	*MODELS 82-1, -3,	*TO DETERMINE THE	*HEAT-TRANS	*0.040	/ *ROCKWELL/	*W. H. DYE/RI	*DMS-DR-2301
HWTB	- *CHANGE PAINT HEAT	*-5, -8, -11, ALL	*EFFECTS OF VARIOU		*7.93 -	*AEDC -	*K. HUBE, D. CARVE	*MAY, 1976
82A	/ *TRANSFER TESTS U	*50 PERCENT FOREBO	*S ROUGHNESS ELEME		*8.00	*HYPERSONIC WIN	*R/ARO	
OH54A	*TILIZING 0.040 SC	*DIES	*NTS ON BOUNDARY L			*D TUNNEL (B)	*D. A. SARVER	
CR-144,605	*ALE 50 PERCENT FO		*AYER TRANSITION				*M. M. MOSER JR.	
	*REBODY MODELS (NO						*-DMS	
	*. 82-0) OF THE RO							
	*CKWELL INTERNATIO							
	*NAL SPACE SHUTTLE							
	*ORBITER IN AEDC							
	*VKF HYPERSONIC TU							
	*NNEL B							
ARC	- *RESULTS OF TESTS	*ORBITER VEHICLE 1	*OBTAIN STABILITY	*FORCE	*0.36	/ *ROCKWELL/	*R.L. MAKI/ARC	*DMS-DR-2302
40SWT	- *USING A 0.36-SCAL	*01 WITH TAIL CONE	*AND CONTROL FORCE	*PRESSURE	*0.114-	*ARC -	*T.J. DZIUBALA/R.I.	*VOLUME 01
479	/ *E MODEL(76-0) OF	*ORBITER VEHICLE 1	*, MOMENT AND CONT		*0.264	*40-FOOT BY 80-	*S. R. HOULIHAN	*MAY, 1982
OA174	*THE SPACE SHUTTLE	*01 WITH OUT TAIL	*ROL SURFACE HINGE			*FOOT SUBSONIC	*C. R. EDWARDS	
CR-167,340	*ORBITER VEHICLE	*CONE	*MOMENT DATA; VER			*WIND TUNNEL	*-DMS	
	*101 IN THE NASA/A		*IFY AND MEASURE L					
	*MES RESEARCH CENT		*ANDING GEAR STRUT					
	*ER'S 40 X 80 SUBS		*AND DOOR PRESSUR					
	*ONIC WIND TUNNEL		*ES; OBTAIN TAIL C					
	*(OA174)		*ONE PRESSURE DIST					
			*RIBUTIONS; CALIBR					
			*ATE BASELINE AND					
			*ALTERNATE AIR DAT					
			*A SYSTEMS					

[illegible]

WIND TUNNEL TEST / DMS DATA PROCESSING

251

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	SCALE RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LTV	- *HIGH REYNOLDS NUM*B26C9E43F8M16N28R*	TO OBTAIN HIGH RE			*0.015 /	*LARC /	*M. M. MANN	*DMS-DR-2305	
HSWT	- *BER TRANSONIC STA*5V8W	*YNOLDS NUMBER TRA*			*0.6 -	*LTV -	*-DMS	*VOLUME 01	
573	/*BILITY AND CONTRO*	*NSONIC AERODYNAMI*			*2.9	*HIGH SPEED WIN*		*JUNE, 1977	
LA76	*L CHARACTERISTICS*	*C DATA ON CONTROL*			*	*D TUNNEL	*	*	
CR-151,059	*OF A 0.015 SCALE(*	*SURFACE LINEARITY*			*	*	*	*	
	REMOTELY CONTROLL	*AND SENSITIVITY *			*	*	*	*	
	*ED ELEVON) MODEL *	*TO MACH NUMBER FO*			*	*	*	*	
	44-O OF THE SPACE	*R FINE-CUT SPEED *			*	*	*	*	
	SHUTTLE ORBITER T	*BRAKE, BODY FLAP *			*	*	*	*	
	*ESTED IN THE VSD *	*AND RUDDER DEFLEC*			*	*	*	*	
	HIGH SPEED TUNNEL	*TIONS; TO INVESTI*			*	*	*	*	
	*(LA76)	*GATE THE INTER- *			*	*	*	*	
	*	*ACTIVE EFFECTS OF*			*	*	*	*	
	*	*MUTUAL CONTROL S *			*	*	*	*	
	*	*URFACE DEFLECTION*			*	*	*	*	
	*	*S			*	*	*	*	
	*	*			*	*	*	*	
LTV	- *HIGH REYNOLDS NUM*B26C9E43F8M16N28R*	TO OBTAIN HIGH RE			*0.015 /	*LARC /	*M. M. MANN	*DMS-DR-2305	
HSWT	- *BER TRANSONIC STA*5V8W	*YNOLDS NUMBER TRA*			*0.6 -	*LTV -	*-DMS	*VOLUME 02	
573	/*BILITY AND CONTRO*	*NSONIC AERODYNAMI*			*2.9	*HIGH SPEED WIN*		*JUNE, 1977	
LA76	*L CHARACTERISTICS*	*C DATA ON CONTROL*			*	*D TUNNEL	*	*	
CR-151,060	*OF A 0.015 SCALE(*	*SURFACE LINEARITY*			*	*	*	*	
	REMOTELY CONTROLL	*AND SENSITIVITY *			*	*	*	*	
	*ED ELEVON) MODEL *	*TO MACH NUMBER FO*			*	*	*	*	
	44-O OF THE SPACE	*R FINE-CUT SPEED *			*	*	*	*	
	SHUTTLE ORBITER T	*BRAKE, BODY FLAP *			*	*	*	*	
	*ESTED IN THE VSD *	*AND RUDDER DEFLEC*			*	*	*	*	
	HIGH SPEED TUNNEL	*TIONS; TO INVESTI*			*	*	*	*	
	*(LA76)	*GATE THE INTER- *			*	*	*	*	
	*	*ACTIVE EFFECTS OF*			*	*	*	*	
	*	*MUTUAL CONTROL S *			*	*	*	*	
	*	*URFACE DEFLECTION*			*	*	*	*	
	*	*S			*	*	*	*	
	*	*			*	*	*	*	

TEST ID	REPORT TITLE	* CONFIGURATIONS TESTED *	TEST PURPOSE	* TYPE OF TEST *	* MODEL * SCALE MACH RANGE	TESTING AGENCY	* COGNIZANT * TEST DMS PERSONNEL	* BASIC * PUBLICATIONS OR COMMENTS
ARC 11,97,87-144-1	- RESULTS OF TESTS ON THE SPACE SHUTTLER LAUNCH CONFIGURATION USING THE TAIL PRESSURE DISTRIBUTION	B26C9E44F9M16 R5V8W116 AT28AT29AT30A TAIN PRESSURE DIS	THE PURPOSE OF THIS TEST WAS TO OBTAIN PRESSURE DISTRIBUTIONS IN THE NA	FORCE PRESSURE	0.0300 / 1.55 - 2.20	ROCKWELL / ARC	P.J. HAWTHORNE, R.DMS-DR-2306 .R. BURROWS, M.E.VOLUME 01	MAY, 1982
IA135A/B/C	CR-167,354	*O.03 SCALE MODEL L11FR1OPT22PT23PTIDUAL COMPONENT L*	*47-OTS IN THE NA *24PT25PT26PT27T37*OADS, AND WING/EL*					
		*SA/AMES UNITARY P*S - N86S21PS13PS1*EVON LOADS. PRESS*						
		*LAN WIND TUNNEL (*6PS2OPS21PS22PS23*URE, FORCE AND MO*						
		*IA135A/B/C) *PS24PS25PS26 *MENT DATA WERE OB*						
		*TAINED.						
ARC 11,97,87-144-1	- RESULTS OF TESTS ON THE SPACE SHUTTLER LAUNCH CONFIGURATION USING THE TAIL PRESSURE DISTRIBUTION	B26C9E44F9M16 R5V8W116 AT28AT29AT30A TAIN PRESSURE DIS	THE PURPOSE OF THIS TEST WAS TO OBTAIN PRESSURE DISTRIBUTIONS IN THE NA	FORCE PRESSURE	0.0300 / 1.55 - 2.20	ROCKWELL / ARC	P.J. HAWTHORNE, R.DMS-DR-2306 .R. BURROWS, M.E.VOLUME 02	MAY, 1982
IA135A/B/C	CR-167,355	*O.03 SCALE MODEL L11FR1OPT22PT23PTIDUAL COMPONENT L*	*47-OTS IN THE NA *24PT25PT26PT27T37*OADS, AND WING/EL*					
		*SA/AMES UNITARY P*S - N86S21PS13PS1*EVON LOADS. PRESS*						
		*LAN WIND TUNNEL (*6PS2OPS21PS22PS23*URE, FORCE AND MO*						
		*IA135A/B/C) *PS24PS25PS26 *MENT DATA WERE OB*						
		*TAINED.						
ARC 11,97,87-144-1	- RESULTS OF TESTS ON THE SPACE SHUTTLER LAUNCH CONFIGURATION USING THE TAIL PRESSURE DISTRIBUTION	B26C9E44F9M16 R5V8W116 AT28AT29AT30A TAIN PRESSURE DIS	THE PURPOSE OF THIS TEST WAS TO OBTAIN PRESSURE DISTRIBUTIONS IN THE NA	FORCE PRESSURE	0.0300 / 1.55 - 2.20	ROCKWELL / ARC	P.J. HAWTHORNE, R.DMS-DR-2306 .R. BURROWS, M.E.VOLUME 03	MAY, 1982
IA135A/B/C	CR-167,356	*O.03 SCALE MODEL L11FR1OPT22PT23PTIDUAL COMPONENT L*	*47-OTS IN THE NA *24PT25PT26PT27T37*OADS, AND WING/EL*					
		*SA/AMES UNITARY P*S - N86S21PS13PS1*EVON LOADS. PRESS*						
		*LAN WIND TUNNEL (*6PS2OPS21PS22PS23*URE, FORCE AND MO*						
		*IA135A/B/C) *PS24PS25PS26 *MENT DATA WERE OB*						
		*TAINED.						

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
TBCA	- *RESULTS OF EXPERI	*BOEING 747 CAM W/	*VERIFICATION OF 7*FORCE		* 0.03 /	*BOEING /	*H.F. ANDERSON/BOE	*DMS-DR-2307
BTWT	- *MENTAL AERODYNAMI	*TYPE II MODIFICAT	*47 CAM W/TYPE II *		*0.3 -	*TBCA -	*ING	*VOLUME 01
1496	/*C INVESTIGATION O	*ION (MODEL TR-10*	*MODIFICATION, AND*		*0.7	*TRANSONIC WIND	*J. E. VAUGHN	*SEPT., 1981
1497	/*N A 0.03 SCALE	*07)	*FERRY AND ALT *			*TUNNEL	*G. R. LUTZ	
CA14A	*MODEL BOEING 747	*BOEING 747 CAM/OR	*CONFIGURATION WIT*				*-DMS	
CR-160,840	*CAM WITH SPACE SH	*BITER - ALT CONFI	*H ORBITER TAILCON*					
	*UTTLE ORBITER IN	*GURATION	*E ON.					
	*THE BOEING	*BOEING 747 CAM/OR*						
	*8X12 FOOT TRANSON	*BITER - FERRY CON*						
	*IC WIND TUNNEL (C	*FIGURATION						
	*A14A)	*ORBITER ALONE LES*						
	*	*S TAILCONE (MODE*						
	*	*L 45-0)						
	*	*						
TBCA	- *RESULTS OF EXPERI	*BOEING 747 CAM W/	*VERIFICATION OF 7*FORCE		* 0.03 /	*BOEING /	*H.F. ANDERSON/BOE	*DMS-DR-2307
BTWT	- *MENTAL AERODYNAMI	*TYPE II MODIFICAT	*47 CAM W/TYPE II *		*0.3 -	*TBCA -	*ING	*VOLUME 02
1496	/*C INVESTIGATION O	*ION (MODEL TR-10*	*MODIFICATION, AND*		*0.7	*TRANSONIC WIND	*J. E. VAUGHN	*SEPT., 1981
1497	/*N A 0.03 SCALE	*07)	*FERRY AND ALT *			*TUNNEL	*G. R. LUTZ	
CA14A	*MODEL BOEING 747	*BOEING 747 CAM/OR	*CONFIGURATION WIT*				*-DMS	
CR-160,841	*CAM WITH SPACE SH	*BITER - ALT CONFI	*H ORBITER TAILCON*					
	*UTTLE ORBITER IN	*GURATION	*E ON.					
	*THE BOEING	*BOEING 747 CAM/OR*						
	*8X12 FOOT TRANSON	*BITER - FERRY CON*						
	*IC WIND TUNNEL (C	*FIGURATION						
	*A14A)	*ORBITER ALONE LES*						
	*	*S TAILCONE (MODE*						
	*	*L 45-0)						
	*	*						

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
CALSPAN - 48HST I81 IH5 CR-147,636	*AN EXPERIMENTAL DETERMINATION IN THE CALSPAN LUDWIG TUBE OF THE BASIC ENVIRONMENT OF THE INTEGRATED SPACE SHUTTLE VEHICLE AT SIMULATED MACH 4.5 FLIGHT CONDITIONS (TEST IHS OF MODEL 19-OTS)	*19-OTS	*TO DETERMINE HEAT TRANSFER AND PRESSURE DISTRIBUTION IN BASE OF SPACE SHUTTLE DURING SIMULATED LAUNCH TRAJECTORY CONDITIONS OF MACH 4.5 AND PRESSURE ALTITUDES BETWEEN 90,000 AND 210,000 FEET 6066. HOURS--1,152	*PRESSURE	*0.0225 / *4.5 - *4.5	*ROCKWELL / *CALSPAN - *48-INCH HYPERSONIC SHOCK TUNNEL	*R. F. DRZEWIECKI / *CALSPAN *J. W. FOUST/RI *D. A. SARVER *M. M. MOSER JR. *-DMS	*DMS-DR-2308 *OCT., 1976
LARC 8TPT 740 LA72 CR-147,644	*TRANSONIC STABILITY AND CONTROL CHARACTERISTICS OF A 0.015 SCALE MODEL 69-O OF THE SPACE SHUTTLE ORBITER WITH FOREBODY REVISION MODIFICATION IN THE NASA/LARC 8-FOOT TPT (LA72)	*FOREBODY B1, B6, B7	*TO DETERMINE POSSIBLE ADVERSE AERODYNAMIC EFFECTS OF SLIGHT REDUCTIONS IN THE THICKNESS OF THE REUSABLE SURFACE INSULATION (RSI) LOCATED ALONG THE SIDES OF THE SPACE SHUTTLE ORBITER FUSELAGE FOREBODY	*FORCE	*0.015 / *0.35- *1.20	*LARC / *LARC - *8-FOOT TRANSONIC PRESSURE TUNNEL	*W.P. PHILLIPS / *LARC *C. R. EDWARDS *-DMS	*DMS-DR-2309 *NOV., 1976

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC 14TWT 640 SA14FB CR-151.083	*REENTRY STATIC ST*RIGHT-HAND SRB RE*TO DETERMINE AERO*FORCE *ABILITY CHARACTER*ENTRY CONFIG. /*ISTICS OF A 0.005* *48 SCALE MODEL OF* *A RIGHT HAND 146-* *INCH DIAMETER SOL* *ID ROCKET BOOSTER* *(MSFC MODEL 486) * *REENTRY CONFIGURA* *TION AS DETERMINE* *D FROM TESTS IN T* *HE NASA/MSFC 14-I* *NCH TRISONIC WIND* *TUNNEL	*DYNAMIC STATIC ST* *ABILITY CHARACTER* *ISTICS OF SRB REE* *NTRY CONFIGURATIO* *N			*0.00548 / *MSFC / *0.4 - *MSFC - *4.45 *14-INCH TRISON* *IC WIND TUNNEL* *M. M. MOSER JR.	*J. D. JOHNSON/MSF* *C *G. D. STREBY/NSI* *V. W. SPARKS *M. M. MOSER JR.	*DMS-DR-2310 *VOLUME 01 *AUGUST, 1977	
MSFC 14TWT 640 SA14FB CR-151.084	*REENTRY STATIC ST*RIGHT-HAND SRB RE*TO DETERMINE AERO*FORCE *ABILITY CHARACTER*ENTRY CONFIG. /*ISTICS OF A 0.005* *48 SCALE MODEL OF* *A RIGHT HAND 146-* *INCH DIAMETER SOL* *ID ROCKET BOOSTER* *(MSFC MODEL 486) * *REENTRY CONFIGURA* *TION AS DETERMINE* *D FROM TESTS IN T* *HE NASA/MSFC 14-I* *NCH TRISONIC WIND* *TUNNEL	*DYNAMIC STATIC ST* *ABILITY CHARACTER* *ISTICS OF SRB REE* *NTRY CONFIGURATIO* *N			*0.00548 / *MSFC / *0.4 - *MSFC - *4.45 *14-INCH TRISON* *IC WIND TUNNEL* *M. M. MOSER JR.	*J. D. JOHNSON/MSF* *C *G. D. STREBY/NSI* *V. W. SPARKS *M. M. MOSER JR.	*DMS-DR-2310 *VOLUME 02 *AUGUST, 1977	

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC CF4	- *RESULTS FROM INVE* - *STIGATIONS IN THR* / *EE NASA/LARC HYPE*	B58C5E18F4R5V5W87* VEHICLE 2A (MODI* (FIED)	TO INVESTIGATE TH* E REAL GAS EFFECT* S USING A 0.004 S*	PRESSURE	*0.004 / *5.94 - *20.30	*LARC / *LARC - *FREON TUNNEL	*JAMES C. ELLISON/ *LARC *J. W. BALL	*DMS-DR-2311 *AUGUST, 1976
22HT	- *RSONIC WIND TUNNE*		*CALE MODEL OF 3 *			*22-INCH HELIUM*	*G. W. KLUG	
446	/ *LS ON A 0.004-SCA*		*THE SPACE SHUTTLE*			*TUNNEL	*-DMS	
LA78	*LE MODEL SPACE SH*		*ORBITER					
LA87	*UTTLE ORBITER (MO*							
LA88	*DEL 13P-0)TO DET *							
CR-147,620	*ERMINE REAL GAS E*							
	FFECTS (LA78, LA8							
	*7, LA88)							
	*							
AEDC	- *RESULTS OF AN INV* - *ESTIGATION OF THE* / *SPACE SHUTTLE SO *	INV*VEHICLE 5, TO INC* LUDE SRB ALONE AN* D OTS (SPIKE NOSE*	TO OBTAIN HEAT TR* ANSFER DATA ON TH* E SPACE SHUTTLE S*	HEAT-TRANS	*0.0175 / * 3.0 - * 4.0	*ROCKWELL/ *AEDC - *SUPERSONIC WIN*	*W. H. DYE/RI *K. W. NUTT/ARO,IN* *C.	*DMS-DR-2312 *VOLUME 01 *JUNE, 1977
IH47	*LID ROCKET BOOST* *R AERODYNAMIC HEA*	ET) *ER, BOTH ISOLATED*	*OLID ROCKET BOOST*			*D TUNNEL (A)	*D. A. SARVER	
CR-151,075	*TING CHARACTERIST*	*AND IN THE PRESE *	*NCE OF THE ORBITE*				*C. R. EDWARDS	
	ICS OBTAINED USIN						*-DMS	
	G THE 0.0175-SCAL							
	E MODEL 60-OTS IN							
	*AEDC TUNNEL A DU *							
	*RING TESTS IH47 *							
	*							
AEDC	- *RESULTS OF AN INV* - *ESTIGATION OF THE* / *SPACE SHUTTLE SO *	INV*VEHICLE 5, TO INC* LUDE SRB ALONE AN* D OTS (SPIKE NOSE*	TO OBTAIN HEAT TR* ANSFER DATA ON TH* E SPACE SHUTTLE S*	HEAT-TRANS	*0.0175 / * 3.0 - * 4.0	*ROCKWELL/ *AEDC - *SUPERSONIC WIN*	*W. H. DYE/RI *K. W. NUTT/ARO,IN* *C.	*DMS-DR-2312 *VOLUME 02 *JULY, 1977
IH47	*LID ROCKET BOOST* *R AERODYNAMIC HEA*	ET) *ER, BOTH ISOLATED*	*OLID ROCKET BOOST*			*D TUNNEL (A)	*D. A. SARVER	
CR-151,076	*TING CHARACTERIST*	*AND IN THE PRESE *	*NCE OF THE ORBITE*				*C. R. EDWARDS	
	ICS OBTAINED USIN						*-DMS	
	G THE 0.0175-SCAL							
	E MODEL 60-OTS IN							
	*AEDC TUNNEL A DU *							
	*RING TESTS IH47 *							
	*							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 3.5HWT 215 FH14 CR-151,041	- *RESULTS OF WIND T*.0275 SCALE SPACE* - *UNNEL TESTS TO DE*SHUTTLE EXTERNAL /*TERMINE HEAT TRAN*TANK *SFER RATES ON A . *0275 SCALE SPACE * *SHUTTLE EXTERNAL * *TANK WITH A 10 DE* *G/40 DEG DOUBLE C* *ONE-OGIVE NOSE IN* *THE NASA/ARC 3.5 * *HYPERSONIC TUNNE * *L * *	*TO VERIFY THE THE*HEAT-TRANS*.0275 *ORETICAL PREDICTI* *ONS USED IN THE G* *ENERATION OF THE * *THERMAL ENVIRONME* *NTS FOR THE LO2 T* *ANK AND TO MORE A* *CCURATELY DEFINE * *THE RECOVERY FACT* *ORS FOR REDUCING * *THE HEAT TRANSFER* *DATA FROM FH13 *	*5.2 - *5.3	MSFC / ARC -	*WILLIAM K. LOCKMA* *N/ARC, *HARRY CARROLL/MMA* *SONIC WIND TUN*R. H. LINDAHL *-DMS	*DMS-DR-2313 *VOLUME 01 *MARCH, 1977		
ARC 3.5HWT 215 FH14 CR-151,042	- *RESULTS OF WIND T*.0275 SCALE SPACE* - *UNNEL TESTS TO DE*SHUTTLE EXTERNAL /*TERMINE HEAT TRAN*TANK *SFER RATES ON A . *0275 SCALE SPACE * *SHUTTLE EXTERNAL * *TANK WITH A 10 DE* *G/40 DEG DOUBLE C* *ONE-OGIVE NOSE IN* *THE NASA/ARC 3.5 * *HYPERSONIC TUNNE * *L * *	*TO VERIFY THE THE*HEAT-TRANS*.0275 *ORETICAL PREDICTI* *ONS USED IN THE G* *ENERATION OF THE * *THERMAL ENVIRONME* *NTS FOR THE LO2 T* *ANK AND TO MORE A* *CCURATELY DEFINE * *THE RECOVERY FACT* *ORS FOR REDUCING * *THE HEAT TRANSFER* *DATA FROM FH13 *	*5.2 - *5.3	SFC / ARC -	*WILLIAM K. LOCKMA* *N/ARC, *HARRY CARROLL/MMA* *SONIC WIND TUN*R. H. LINDAHL *-DMS	*DMS-DR-2313 *VOLUME 02 *MARCH, 1977		
ARC 3.5HWT 215 FH14 CR-151,043	- *RESULTS OF WIND T*.0275 SCALE SPACE* - *UNNEL TESTS TO DE*SHUTTLE EXTERNAL /*TERMINE HEAT TRAN*TANK *SFER RATES ON A . *0275 SCALE SPACE * *SHUTTLE EXTERNAL * *TANK WITH A 10 DE* *G/40 DEG DOUBLE C* *ONE-OGIVE NOSE IN* *THE NASA/ARC 3.5 * *HYPERSONIC TUNNE * *L * *	*TO VERIFY THE THE*HEAT-TRANS*.0275 *ORETICAL PREDICTI* *ONS USED IN THE G* *ENERATION OF THE * *THERMAL ENVIRONME* *NTS FOR THE LO2 T* *ANK AND TO MORE A* *CCURATELY DEFINE * *THE RECOVERY FACT* *ORS FOR REDUCING * *THE HEAT TRANSFER* *DATA FROM FH13 *	*5.2 - *5.3	SFC / ARC -	*WILLIAM K. LOCKMA* *N/ARC, *HARRY CARROLL/MMA* *SONIC WIND TUN*R. H. LINDAHL *-DMS	*DMS-DR-2313 *VOLUME 03 *MARCH, 1977		

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD	- *INVESTIGATION OF *LANDING		*DETERMINATION OF *FORCE		*.0405 /	*ROCKWELL/	*M. T. HUGHES/RI	*DMS-DR-2314
LSWT	- *SUPPORT SYSTEM EF*		*EFFECTS OF VARIOU*		*0.20 -	*NRLAD -	*S. R. HOULIHAN	*FEB., 1981
754	/*FECTS ON ORBITER *		*S TUNNEL MOUNT CO*		*0.20	*LOW SPEED WIND	*B. J. BURST	*
QA176	*LOW SPEED AEORDYN*		*NFIGURATIONS ON T*		*	*TUNNEL	*-DMS	*
CR-151,406	*AMIC CHARACTERIST*		*HE FORCE COEFFICI*		*	*	*	*
	ICS USING 0.0405		*ENTS AND PRESSURE*		*	*	*	*
	*SCALE MODEL 43-O *		*S ON THE AFT TAIL*		*	*	*	*
	IN THE NAAL LOW S		*CONE OF THE ORBI *		*	*	*	*
	*PEED WIND TUNNEL *		*TER IN THE LANDIN*		*	*	*	*
	*		*G CONFIGURATION *		*	*	*	*
	*		*		*	*	*	*
NRLAD	- *RESULTS OF AN INV*0.010-SCALE VL70-*TO OBTAIN REYNOLD*FORCE		*TO OBTAIN REYNOLD*FORCE		* 0.010 /	*ROCKWELL/	*R.C.MENNELL/RI	*DMS-DR-2315
7TWT	- *ESTIGATION OF REY*000140C INTEGRATE*S NUMBER EFFECTS *		*S NUMBER EFFECTS *		*0.6 -	*NRLAD -	*R. H. LINDAHL	*AUGUST, 1976
297	/*NOLDS NUMBER EFFE*D SPACE SHUTTLE L*ON ORBITER ELEVON*		*ON ORBITER ELEVON*		*1.25	*7-FOOT TRISONI*	*-DMS	*
IA141	*CTS ON INTEGRATED*AUNCH VEHICLE		*HINGE MOMENTS AN *		*	*C WIND TUNNEL *	*	*
CR-147,623	*VEHICLE ELEVON HI*		*D WING BENDING/TO*		*	*	*	*
	NGE MOMENTS AND W		*RSIONAL MOMENTS *		*	*	*	*
	ING PANEL LOADS O		*		*	*	*	*
	BTAINED WITH 0.01		*		*	*	*	*
	O-SCALE MODEL 72-		*		*	*	*	*
	OTS IN THE ROCKWE		*		*	*	*	*
	*LL TRISONIC WIND *		*		*	*	*	*
	*TUNNEL		*		*	*	*	*
	*		*		*	*	*	*
ARC	- *RESULTS OF TEST I*FULL 331 INCH DIA*TO EXAMINE THE FE*FORCE		*TO EXAMINE THE FE*FORCE		*0.07 /	*ROCKWELL/	*D.E. THORNTON/ROC	*DMS-DR-2316
14-TWT	- *A137 IN THE NASA/*METER FOREBODY		*ASIBILITY OF THE *PRESSURE		*0.55 -	*ARC -	*KWEI INTERNATIONAL*	*SEPT., 1976
143-1	/*ARC 14 FOOT TRANS*AN 80% (264.8 INC*AUXILIARY AERODYN*		*AUXILIARY AERODYN*		*1.15	*14-FOOT TRANSO*AL	*	*
IA137	*ONIC WIND TUNNEL *H) OF FULL DIAMET*AMIC DATA SYSTEM *		*AMIC DATA SYSTEM *		*	*NIC WIND TUNNE*	*P.K. MILLER/ ROCK*	*
CR-147,622	*OF THE 0.07 SCALE*ER FOREBODY		*(AADS) FOR DETERM*		*	*L	*WELL INTERNATIONAL*	*
	*EXTERNAL TANK FO *BICONIC NOSE PROB*ING ANGLES OF ATT*		*ING ANGLES OF ATT*		*	*	*L	*
	*REBODY (MODEL 68-*E		*ACK AND SIDESLIP *		*	*	*D. A. SARVER	*
	*T) TO DETERMINE *		*DURING BOOST FLIG*		*	*	*G. W. KLUG	*
	AUXILIARY AERODYN		*HT		*	*	*-DMS	*
	*AMIC DATA SYSTEM *		*		*	*	*	*
	*FEASIBILITY		*		*	*	*	*
	*		*		*	*	*	*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 3.5HWT 216 OH53A CR-151,787	- *RESULTS OF TESTS *O.04-SCALE (83-O) *TO DETERMINE REAC*ORBITER / *TION CONTROL SYST* *EM (RCS) NOZZLE E* *FFECTS ON THE ORB* *ITER FOREBODY ASC* *ENT AERODYNAMIC H* *EATING RATES USIN* *G A O.04-SCALE MO* *DEL (83-O) IN THE* *AMES RESEARCH CE * *NTER 3.5 FOOT HYP* *ERSONIC WIND TUNN* *EL (OH53A)	*O.04-SCALE (83-O) *ORBITER	*TO DETERMINE RCS *HEAT-TRANS* *NOZZLE EFFECTS ON* *THE ORBITER FORE * *BODY ASCENT AEROD* *YNAMIC HEATING RA* *TES	*TYPE OF TEST	*O.04 / *5.2 - *5.3	*ROCKWELL/ *ARC *3.5-FOOT HYPER* *SONIC WIND TUN* *NEL	*W.H. DYE/RI *R. H. LINDAHL *DMS	*DMS-DR-2317 *JAN., 1980
LARC UPWT 1173 LA75 CR-147,646	- *HIGH SUPERSONIC S*ORBITER-140A/B/C== *Determination of *FORCE *TABILITY AND CONT*B26 C9 E43 F8 M16 *CONTROL SURFACE E* / *ROL CHARACTERISTI*N28 R5 V8 W *FFECTIVENESS AT H* *CS OF A O.015-SCA* *IGH SUPERSONIC MA* *LE (REMOtELY CONT* *CH NUMBERS *ROLLED ELEVON) MO* *DEL 44-O SPACE SH* *UTTLE ORBITER TES* *TED IN THE NASA/L* *ARC 4-FOOT UPWT (* *LEG 2) (LA75)	*ORBITER-140A/B/C== *B26 C9 E43 F8 M16 *N28 R5 V8 W	*Determination of *FORCE *CONTROL SURFACE E* *FFECTIVENESS AT H* *IGH SUPERSONIC MA* *CH NUMBERS	*TYPE OF TEST	*2.86 - *4.60	*LARC / *LARC *UNITARY PLAN W* *IND TUNNEL *D.B. WATSON *DMS	*B. SPENCER, G. W *ARE/LARC *J. W. BALL *D.B. WATSON	*DMS-DR-2318 *VOLUME 01 *DEC., 1976
LARC UPWT 1173 LA75 CR-147,647	- *HIGH SUPERSONIC S*ORBITER-140A/B/C== *Determination of *FORCE *TABILITY AND CONT*B26 C9 E43 F8 M16 *CONTROL SURFACE E* / *ROL CHARACTERISTI*N28 R5 V8 W *FFECTIVENESS AT H* *CS OF A O.015-SCA* *IGH SUPERSONIC MA* *LE (REMOtELY CONT* *CH NUMBERS *ROLLED ELEVON) MO* *DEL 44-O SPACE SH* *UTTLE ORBITER TES* *TED IN THE NASA/L* *ARC 4-FOOT UPWT (* *LEG 2) (LA75)	*ORBITER-140A/B/C== *B26 C9 E43 F8 M16 *N28 R5 V8 W	*Determination of *FORCE *CONTROL SURFACE E* *FFECTIVENESS AT H* *IGH SUPERSONIC MA* *CH NUMBERS	*TYPE OF TEST	*2.86 - *4.60	*LARC / *LARC *UNITARY PLAN W* *IND TUNNEL *D.B. WATSON *DMS	*B. SPENCER, G. W *ARE/LARC *J. W. BALL *D.B. WATSON	*DMS-DR-2318 *VOLUME 02 *DEC., 1976

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
CALSPAN - 48HST	*HEAT TRANSFER AND PRESSURE TESTS ON SHUTTLE ORB/ET 59	*.01-SCALE SPACE STATION	*TO DETERMINE ASCE	*HEAT-TRANS	*.01	ROCKWELL/	*P.R. CARROLL/RI, C	*DMS-DR-2319
I89	/*N A 0.01-SCALE SP*OT		*TING RATES AND PR		*20.0	*CALSPAN -	*.E. WITTLIFF/CALS	*JUNE, 1979
96HST	- *ACE SHUTTLE MODEL*		*ESSURE DISTRIBUTI			*48-INCH HYPERS*PAN		
IH43	*(59-OT) IN THE C *		*ONS ON AN UPDATED*			*ONIC SHOCK TUN*D.W.HERSEY		
CR-151,771	*ALSPAN HYPERVELOC*		*CONFIGURATION (M *			*NEL	*R. H. LINDAHL	
	ITY SHOCK TUNNELS		*CR 500) OF THE OR*			*96-INCH HYPERS*-DMS		
	*(IH43)		*BITER/EXTERNAL TA			*ONIC SHOCK TUN*		
	*		*NK			*NEL		
	*		*			*		
AEDC	- *RESULTS OF TESTS *ORBITER 0.0125 70*		*TO OBTAIN INTERAC*FORCE		*0.0125	ROCKWELL/	*J.J. DAILED, J.	*DMS-DR-2320
HWTB	- *USING A 0.0125-SC*-OT		*TION EFFECTS OF T*		*5.9	*AEDC -	*MARROQUIN/RI	*VOLUME 01
D8A	/*ALE MODEL(70-OT)O*		*HE RCS THRUSTER J*		*5.9	*HYPERSONIC WIN*R. H. LINDAHL		*FEB., 1978
OA169	*F THE SPACE SHUTT*		*ET PLUMES ON SSV *			*D TUNNEL (B)	*J. E. VAUGHN	
CR-151,390	*LE VEHICLE ORBITE*		*AERODYNAMICS DUR*			*-DMS		
	R IN THE AEDC VKF		*NG RETURN-TO-LAUN*					
	*TUNNEL B (OA169) *		*CH-SITE(RTLS) ABO*					
	*		*RT FLIGHT PHASE *					
	*		*					
AEDC	- *RESULTS OF TESTS *ORBITER 0.0125 70*		*TO OBTAIN INTERAC*FORCE		*0.0125	ROCKWELL/	*J.J. DAILED, J.	*DMS-DR-2320
HWTB	- *USING A 0.0125-SC*-OT		*TION EFFECTS OF T*		*5.9	*AEDC -	*MARROQUIN/RI	*VOLUME 02
D8A	/*ALE MODEL(70-OT)O*		*HE RCS THRUSTER J*		*5.9	*HYPERSONIC WIN*R. H. LINDAHL		*FEB., 1978
OA169	*F THE SPACE SHUTT*		*ET PLUMES ON SSV *			*D TUNNEL (B)	*J. E. VAUGHN	
CR-151,391	*LE VEHICLE ORBITE*		*AERODYNAMICS DUR*			*-DMS		
	R IN THE AEDC VKF		*NG RETURN-TO-LAUN*					
	*TUNNEL B (OA169) *		*CH-SITE(RTLS) ABO*					
	*		*RT FLIGHT PHASE *					
	*		*					
AEDC	- *RESULTS OF TESTS *ORBITER 0.0125 70*		*TO OBTAIN INTERAC*FORCE		*0.0125	ROCKWELL/	*J.J. DAILED, J.	*DMS-DR-2320
HWTB	- *USING A 0.0125-SC*-OT		*TION EFFECTS OF T*		*5.9	*AEDC -	*MARROQUIN/RI	*VOLUME 03
D8A	/*ALE MODEL(70-OT)O*		*HE RCS THRUSTER J*		*5.9	*HYPERSONIC WIN*R. H. LINDAHL		*FEB., 1978
OA169	*F THE SPACE SHUTT*		*ET PLUMES ON SSV *			*D TUNNEL (B)	*J. E. VAUGHN	
CR-151,392	*LE VEHICLE ORBITE*		*AERODYNAMICS DUR*			*-DMS		
	R IN THE AEDC VKF		*NG RETURN-TO-LAUN*					
	*TUNNEL B (OA169) *		*CH-SITE(RTLS) ABO*					
	*		*RT FLIGHT PHASE *					
	*		*					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC HWTB V41B-E9A OH69 CR-151,410	- *RESULTS OF TEST O*ORBITER VEHICLE F* - *H69 OBTAINED IN T*OREBODY /*HE AEDC VKF HYPER* *SONIC TUNNEL B US* *ING THE INFRARED * *SCANNING METHOD T* *O OBTAIN HEAT TRA* *NSFER DATA ON THE* *O.O40 SCALE MODE * *L 82-O OF THE SPA* *CE SHUTTLE FOREBO* *DY *	*TO DETERMINE THE *HEAT-TRANS* *INFLUENCE OF THER* *MAL PROTECTION TI* *LE ROUGHNESS ON W* *INDWARD SURFACE B* *OUNDARY-LAYER TRA* *NSITION.	*HEAT-TRANS* *INFLUENCE OF THER* *MAL PROTECTION TI* *LE ROUGHNESS ON W* *INDWARD SURFACE B* *OUNDARY-LAYER TRA* *NSITION.	*O.O40 / * *8.0 - * *8.0 * * * * * * * * * * * * * * * * *	*ROCKWELL/ *AEDC - *HYPERSONIC WIN* *D TUNNEL (B) *-DMS	*J. C. MARTINEZ + *W. H. DYE/RI *J. E. VAUGHN *-DMS	*DMS-DR-2321 *VOLUME 01 *AUGUST, 1978	
AEDC HWTB V41B-E9A OH69 CR-151,411	- *RESULTS OF TEST O*ORBITER VEHICLE F* - *H69 OBTAINED IN T*OREBODY /*HE AEDC VKF HYPER* *SONIC TUNNEL B US* *ING THE INFRARED * *SCANNING METHOD T* *O OBTAIN HEAT TRA* *NSFER DATA ON THE* *O.O40 SCALE MODE * *L 82-O OF THE SPA* *CE SHUTTLE FOREBO* *DY *	*TO DETERMINE THE *HEAT-TRANS* *INFLUENCE OF THER* *MAL PROTECTION TI* *LE ROUGHNESS ON W* *INDWARD SURFACE B* *OUNDARY-LAYER TRA* *NSITION.	*HEAT-TRANS* *INFLUENCE OF THER* *MAL PROTECTION TI* *LE ROUGHNESS ON W* *INDWARD SURFACE B* *OUNDARY-LAYER TRA* *NSITION.	*O.O40 / * *8.0 - * *8.0 * * * * * * * * * * * * * * * * *	*ROCKWELL/ *AEDC - *HYPERSONIC WIN* *D TUNNEL (B) *-DMS	*J. C. MARTINEZ + *W. H. DYE/RI *J. E. VAUGHN *-DMS	*DMS-DR-2321 *VOLUME 02 *AUGUST, 1978	
NRLAD LSWT 757 OA228 CR-160,847	- *RESULTS OF TEST O*SPACE SHUTTLE ORB* - *A228 USING THE SS*ITER VEHICLE 102 /*V VEHICLE 102 O.1* *O SCALE FOREBODY * *MODEL NO. 57-O IN* *THE NAAL LOW SPE * *ED WIND TUNNEL *	*TO RESOLVE DIFFER* *ENCES IN AIR DATA* *PROBE AND FLIGHT * *TEST PROBE PRESS * *URE DATA OBTAINED* *DURING WIND TUNN * *EL TESTS OA174 AN* *D OA224 *	*FORCE* *ENCES IN AIR DATA* *PROBE AND FLIGHT * *TEST PROBE PRESS * *URE DATA OBTAINED* *DURING WIND TUNN * *EL TESTS OA174 AN* *D OA224 *	*.18 O- *.25 1 * * * * * * * * * * * * * *	*ROCKWELL/ *NRLAD - *LOW SPEED WIND * *TUNNEL * *-DMS	*R. C. MENNEL, A. *L. MENA, R. B. R *USSELL / RI *W. B. MEINDERS	*DMS-DR-2322 *NOV., 1981	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC UPWT 1152 IA94A CR-151,039	- *RESULTS OF INVESTIGATIONS CONDUCTED IN THE LARC 4-F* *WIND TUNNEL LEG * *NO. 1 USING THE O* *.010-SCALE 72-OTS* *MODEL OF THE SPA * *CE SHUTTLE INTEGR* *ATED VEHICLE *	*0.010-SCALE 72-OT* *AERO-LOADS INVEST* *IGATIONS ON THE U* *PDATED CONFIGURAT* *ION-5 SPACE SHUTT* *LE; FULL SIMULATIO* *N OF UPDATED VEHI* *CLE PROTUBERANCES* *AND ATTACH HARDW * *ARE WAS USED. *	*FORCE	*0.010 / *1.55 - *2.00	*ROCKWELL/ *LARC - *UNITARY PLAN W* *IND TUNNEL	*M.E. NICHOLDS, P.J.* *HAWTHORNE, J.T.* *HAMILTON, P.K. MIL* *LER/RI * *D.C. FREEMAN/LARC* *R. H. LINDAHL * *-DMS *	*DMS-DR-2323 *FEB., 1977	
LARC UPWT 1177 IA94B CR-151,040	- *RESULTS OF INVESTIGATIONS CONDUCTED IN THE LARC 4-F* *WIND TUNNEL LEG * *NO. 2 USING THE O* *.010-SCALE 72-OTS* *MODEL OF THE SPA * *CE SHUTTLE INTEGR* *ATED VEHICLE *	*0.010-SCALE 72-OT* *AERO-LOADS INVEST* *IGATIONS ON THE U* *PDATED CONFIGURAT* *ION-5 SPACE SHUTT* *LE LAUNCH VEHICLE* *; FULL SIMULATION* *OF UPDATED VEHIC * *LE PROTUBERANCES * *AND ATTACH HARDWA* *RE WAS USED. *	*FORCE	*0.010 / *2.50 - *4.50	*ROCKWELL/ *LARC - *UNITARY PLAN W* *IND TUNNEL	*M.E. NICHOLS, P.J.* *HAWTHORNE, J.T. H* *AMILTON, P.K. MILL* *ER/RI * *D.C. FREEMAN/LARC* *R. H. LINDAHL * *-DMS *	*DMS-DR-2324 *FEB., 1977	
MSFC 14TWT 620 SA14FA CR-147,645	- *AERODYNAMIC CHARACTERISTICS OF A 0.620 INCH DIAMETER SOLID FOCKET BOOSTER* *(MSFC MODEL 449 * *AND 480) WITH SID* *E MOUNTED STINGS * *IN THE NASA/MSFC * *14 INCH TRISONIC * *WIND TUNNEL *	*CONF. 139	*TO DETERMINE THE * *ENTRY STATIC STAB* *ILITY OF THE SRB.*	*FORCE	*0.00563 / *0.6 - *3.48	*MSFC / *MSFC - *14-INCH TRISON* *IC WIND TUNNEL*-DMS	*P. E. RAMSEY/MSFC* *V. W. SPARKS * *G. G. McDONALD * *-DMS *	*DMS-DR-2325 *NOV., 1976

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 8TPT 749 IA93 CR-151,037	- *RESULTS OF INVESTIGATIONS CONDUCTED IN THE LARC 8-FOOT TRANSONIC PRESSURE TUNNEL USING THE 0.010-SCALE 72-OTS MODEL OF THE SPACE SHUTTLE INTEGRATED VEHICLE LE	*O.010-SCALE 72-OTS MODEL	*AERO-LOADS INVESTIGATION ON THE UP-DATED CONFIGURATION ON-5 SPACE SHUTTLE; FULL SIMULATION OF UPDATED VEHICLE PROTUBERANCES AND ATTACH HARDWARE WERE USED.	*FORCE	*0.010 / *0.6 - *1.205	*ROCKWELL / *LARC - *8-FOOT TRANSONIC PRESSURE TUNNEL	*M.E.NICHOLS, P.J. *HAWTHORNE, J.T. HA *MILTON, P.K. MILLE	*DMS-DR-2326 *VOLUME 01 *JAN., 1977
LARC 8TPT 749 IA93 CR-151,038	- *RESULTS OF INVESTIGATIONS CONDUCTED IN THE LARC 8-FOOT TRANSONIC PRESSURE TUNNEL USING THE 0.010-SCALE 72-OTS MODEL OF THE SPACE SHUTTLE INTEGRATED VEHICLE LE	*O.010-SCALE 72-OTS MODEL	*AERO-LOADS INVESTIGATION ON THE UP-DATED CONFIGURATION ON-5 SPACE SHUTTLE; FULL SIMULATION OF UPDATED VEHICLE PROTUBERANCES AND ATTACH HARDWARE WERE USED.	*FORCE	*0.010 / *0.6 - *1.205	*ROCKWELL / *LARC - *8-FOOT TRANSONIC PRESSURE TUNNEL	*M.E.NICHOLS, P.J. *HAWTHORNE, J.T. HA *MILTON, P.K. MILLE	*DMS-DR-2326 *VOLUME 02 *FEB., 1977
AEDC HWTB D9A IA22 CR-151,079	- *RESULTS OF TESTS USING 0.0125-SCALE AND ET, DESIGNATION EFFECTS OF RATED MODEL (70-OT) ON THE SPACE SHUTTLE VEHICLE ORBITER IN THE AEDC VKF TUNNEL B	*CONFIG. 102 ORBITER AND ET, DESIGNATION EFFECTS OF RATED MODEL 70-OT	*TO OBTAIN INTERACTION EFFECTS OF RATED MODEL 70-OT ON CS THRUSTER JET PLUMES ON SSV AERODYNAMICS	*FORCE	*5.9 -	*ROCKWELL / *AEDC - *HYPERSOONIC WIND TUNNEL (B)	*L. L. TRIMMER / ARO *J. J. DAILERA, J. *MARROQUIN, H. S. *DRESSER/RI *J. E. VAUGHN *M. M. MOSER JR.	*DMS-DR-2327 *VOLUME 01 *JULY, 1977
AEDC HWTB D9A IA22 CR-151,080	- *RESULTS OF TESTS USING 0.0125-SCALE AND ET, DESIGNATION EFFECTS OF RATED MODEL (70-OT) ON THE SPACE SHUTTLE VEHICLE ORBITER IN THE AEDC VKF TUNNEL B	*CONFIG. 102 ORBITER AND ET, DESIGNATION EFFECTS OF RATED MODEL 70-OT	*TO OBTAIN INTERACTION EFFECTS OF RATED MODEL 70-OT ON CS THRUSTER JET PLUMES ON SSV AERODYNAMICS	*FORCE	*5.9 -	*ROCKWELL / *AEDC - *HYPERSOONIC WIND TUNNEL (B)	*L. L. TRIMMER / ARO *J. J. DAILERA, J. *MARROQUIN, H. S. *DRESSER/RI *J. E. VAUGHN *M. M. MOSER JR.	*DMS-DR-2327 *VOLUME 02 *AUGUST, 1977

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH SCALE RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC HWTB D9A IA22 CR-151.081	*RESULTS OF TESTS *CONFIG. 102 ORBIT*TO OBTAIN INTERAC*FORCE *USING 0.0125-SCAL*ER AND ET, DESIGN*TION EFFECTS OF R* /*E MODEL (70-OT) O*ATED MODEL 70-OT *CS THRUSTER JET P* *F THE SPACE SHUTT* *LE VEHICLE ORBITE*				*5.9 -	*ROCKWELL/ *AEDC -	*L. L. TRIMMER/ARO* *J. J. DAILERA, J.* *MARROQUIN, H. S.* *DRESSER/RI* *J. E. VAUGHN* *M. M. MOSER JR.* *-DMS*	*DMS-DR-2327 *VOLUME 03 *AUGUST, 1977
LARC CFHT 105 LA34 TND-8233	*EFFECT OF A SURFA*REUSABLE SURFACE *TO DETERMINE EFFE*HEAT-TRANS*1.0 / *CE-TO-GAP TEMPERA*INSULATION TILE G*CT OF A SURFACE-T* /*TURE DISCONTINUIT*APS *Y ON THE HEAT TRA* *NSFER TO REUSABLE* *SURFACE INSULATI* *ON TILE GAPS*				*10.3 -	*LARC / *LARC - *CONTINUOUS-FLO* *W HYPERSONIC T* *UNNEL *-DMS	*D. A. THROCKMORTO* *N/LARC *J. W. BALL *M. M. MOSER JR.* *-DMS*	*DMS-DR-2328 *AUGUST, 1976
LARC 16TT 312 OA224 CR-160.837	*CALBRATION RESUL*SSV ORBITER (MODE*TO PROVIDE CALIBR*FORCE *TS OF THE BASELIN*L 57-0) FOREBODY *ATION OF THE AIR * /*E AIR DATA PROBES*W/ ADP, FTP, AND *DATA PROBES *AT THE LANGLEY 1 *ADP AND FTP *6-FOOT TRANSONIC * *WIND TUNNEL USING* *A 0.10 SCALE ORB * *ITER FOREBODY MOD* *EL 102 LINES (OA2* *24)				*0.4 - *1.30	*ROCKWELL/ *LARC - *16-FOOT TRANSO* *NIC TUNNEL *L *S. R. HOULIHAN *J. E. VAUGHN *-DMS*	*V. ESPARZA, *D.E. THORN *TON/ROCKWELL *H. AUGUST/ROCKWEL* *L *S. R. HOULIHAN *J. E. VAUGHN *-DMS*	*DMS-DR-2329 *AUGUST, 1981
AEDC HWTB 524 OH52 CR-147.637	*RESULTS OF A FLOW*CONF. 4, MODEL 29*TO SIMULATE ATMOS*HEAT-TRANS*0.0175 / *FIELD SURVEY C*N *-O /*DUCTED USING THE * *0.0175 SCALE O*BI* *TER MODEL 29-O IN* *THE AEDC VKF T IN* *NEL B DURING T:ST* *OH52 *				*7.82 -	*ROCKWELL/ *AEDC - *HYPERSONIC WIN* *D TUNNEL (B) *M. M. MOSER JR.* *-DMS*	*B. J. HERRERA/RI *L. D. CARTER, W.* *R. MARTINDALE, C.* *E. KAUL/ARO *M. M. MOSER JR.* *-DMS*	*DMS-DR-2330 *OCT., 1976

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11,97,87-074-1	- *STATIC STABILITY *SRB-WITH HEAT SHI* *AND PRESSURE DATA*ELD(SOLID) /*FROM WIND TUNNEL *SRB-W/O HEAT SHIE*	*SRB-WITH HEAT SHI* *AERODYNAMIC STABI* *LITY CHARACTERIST*	*TO DETERMINE THE *FORCE *PRESSURE *ICS AND PRESSURE *	*O.028 / *MSFC /	*W.F.BRADDOCK, G.D* *STREBY/NORTHROP * *SERVICES	*DMS-DR-2331 *VOLUME 01 *OCT., 1981		
11TWT	- *TESTS OF A .028- *LD	*LD	*ICS AND PRESSURE *					
SA11F	*SCALE (MSFC MODEL *SRB-WITH HEAT SHE*	*DISTRIBUTION OF T*						
CR-160,838*483)	SPACE SHUTT *ILD (FLEXIBLE)	*HE SRB RENTRY CON*						
	LE SRB AT REENTRY	*FIGURATION						
	*ATTITUDES IN THE *							
	*NASA/ARC UNITARY *							
	PLAN WIND TUNNELS							
	*(SA11F)							
ARC 11,97,87-074-1	- *STATIC STABILITY *SRB-WITH HEAT SHI* *AND PRESSURE DATA*ELD(SOLID) /*FROM WIND TUNNEL *SRB-W/O HEAT SHIE*	*SRB-WITH HEAT SHI* *AERODYNAMIC STABI* *LITY CHARACTERIST*	*TO DETERMINE THE *FORCE *PRESSURE *ICS AND PRESSURE *	*O.028 / *MSFC /	*W.F.BRADDOCK, G.D* *STREBY/NORTHROP * *SERVICES	*DMS-DR-2331 *VOLUME 02 *OCT., 1981		
11TWT	- *TESTS OF A .028- *LD	*LD	*ICS AND PRESSURE *					
SA11F	*SCALE (MSFC MODEL *SRB-WITH HEAT SHE*	*DISTRIBUTION OF T*						
CR-160,839*483)	SPACE SHUTT *ILD (FLEXIBLE)	*HE SRB RENTRY CON*						
	LE SRB AT REENTRY	*FIGURATION						
	*ATTITUDES IN THE *							
	*NASA/ARC UNITARY *							
	PLAN WIND TUNNELS							
	*(SA11F)							
ARC 14-TWT 121	- *RESULTS OF AERODY* *NAMIC FORCE AND M*OFF, TAILCONE ON * /*MENT TESTS OF O.*-TC19,	*ORBITER- TAILCONE* *NCH AND FREE AIR * *DATA BASE FOR PLA*	*TO FORM A PRE-LAU* *FORCE *EDS OF THE CARRI*	*O.03 / *ROCKWELL/	*R.L.GILLINS/ROCKW* *ELL *V.ESPARZA/ROCKWEL*	*DMS-DR-2332 *OCT., 1977		
CA13	*O3-SCALE MODELS (*ORBITER- TAILCONE* *AX13191-3 AND 45-*ON, TC23, STING	*NNED SEPARATION T* *ESTS OF THE CARRI*						
CR-151,373	*O) OF THE SPACE S* *MOUNTED *HUTTLE ORBITER AN*747/1	*ER ALT CONFIGURAT* *ION.						
	*D CARRIER IN THE *747/1 + S1-12 (SP*							
	*NASA/ARC 14-FOOT *EED BRAKE DEPLOYE*							
	*TRANSONIC WIND TU*D)							
	*NNEL (CA13)							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *WIND TUNNEL TEST	*01+TC23'ALT' CONF	*VERIFY ALT VEHICL	*FORCE	*0.030 /	*ROCKWELL/	*T.J.DZIUBALA/RI	*DMS-DR-2333
11TWT	- *0A175 OF THE 0.03	*IGURATION WITH TA	*E STABILITY AND C	*PRESSURE	*0.4 -	*ARC -	*R.R.BURROWS/RI	*VOLUME 01
187-1	/*O-SCALE SSV ORBIT	*ILCONE	*ONTROL CHARACTERI	*	*1.2	*11-FOOT TRANSO	*M. M. MANN	*NOV., 1977
OA175	*ER MODEL (47-O)	*01+TC23+G19 'ALT'	*STICS WITH TAIL-	*	*	*NIC WIND TUNNE	*-DMS	*
CR-151,374	*IN THE 11 X 11-FO	*WITH LANDING GEA	*CONE ON. DETERMIN	*	*	*L (UNITARY)	*	*
	*OT LEG OF THE NAS	*R DEPLOYED	*E ELEVON, RUDDER/	*	*	*	*	*
	*A/ARC UNITARY PLA	*01 'ALT' WITHOUT	*SPEEDBRAKE, AND B	*	*	*	*	*
	*N WIND TUNNEL (OA	*TAILCONE	*ODY FLAP HINGE	*	*	*	*	*
	*175)	*01 = AT132 - PR1	*MOMENTS WITH SEAL	*	*	*	*	*
	*	*'102' REENTRY CON	*ED HINGELINES. EF	*	*	*	*	*
	*	*FIGURATION	*FECTS OF RN/L AND	*	*	*	*	*
	*	*	*DEPLOYED LANDING	*	*	*	*	*
	*	*	*GEAR/DOORS ON VEH	*	*	*	*	*
	*	*	*ICLE STABILITY AN	*	*	*	*	*
	*	*	*D CONTROL. TAILCO	*	*	*	*	*
	*	*	*NE PRESSURES	*	*	*	*	*
ARC	- *WIND TUNNEL TEST	*01+TC23'ALT' CONF	*VERIFY ALT VEHICL	*FORCE	*0.030 /	*ROCKWELL/	*T.J.DZIUBALA/RI	*DMS-DR-2333
11TWT	- *0A175 OF THE 0.03	*IGURATION WITH TA	*E STABILITY AND C	*PRESSURE	*0.4 -	*ARC -	*R.R.BURROWS/RI	*VOLUME 02
187-1	/*O-SCALE SSV ORBIT	*ILCONE	*ONTROL CHARACTERI	*	*1.2	*11-FOOT TRANSO	*M. M. MANN	*DEC., 1977
OA175	*ER MODEL (47-O)	*01+TC23+G19 'ALT'	*STICS WITH TAIL-	*	*	*NIC WIND TUNNE	*-DMS	*
CR-151,375	*IN THE 11 X 11-FO	*WITH LANDING GEA	*CONE ON. DETERMIN	*	*	*L (UNITARY)	*	*
	*OT LEG OF THE NAS	*R DEPLOYED	*E ELEVON, RUDDER/	*	*	*	*	*
	*A/AFC UNITARY PLA	*01 'ALT' WITHOUT	*SPEEDBRAKE, AND B	*	*	*	*	*
	*N WIND TUNNEL (OA	*TAILCONE	*ODY FLAP HINGE	*	*	*	*	*
	*175)	*01 = AT132 - PR1	*MOMENTS WITH SEAL	*	*	*	*	*
	*	*'102' REENTRY CON	*ED HINGELINES. EF	*	*	*	*	*
	*	*FIGURATION	*FECTS OF RN/L AND	*	*	*	*	*
	*	*	*DEPLOYED LANDING	*	*	*	*	*
	*	*	*GEAR/DOORS ON VEH	*	*	*	*	*
	*	*	*ICLE STABILITY AN	*	*	*	*	*
	*	*	*D CONTROL. TAILCO	*	*	*	*	*
	*	*	*NE PRESSURES	*	*	*	*	*

[illegible]

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC 14TWT 641 646 IA140A/B CR-151 783	*RESULTS OF EXPERIMENTAL INVESTIGATION OF THE EFFECTS OF A MULTIPLE STING SUPPORT SYSTEM ON THE MATED VEHICLE AERODYNAMICS UTILIZING A 0.004 SCALE (74-OTS, 77-0) SHUTTLE VEHICLE 5 (IA140 A/B)	*VEHICLE 5 MODEL 74-OTS	*THE PURPOSE OF THIS TEST WAS TO OBTAIN INFORMATION ON STING/BODY INTERFERENCE, VERIFY STING ASSEMBLY DESIGN, DETERMINE EFFECT OF VERTICAL SEPARATION ON AERO CHARACTERISTICS OF ET PLUS SRB AND ORBITER AND EFFECTS OF STING ON ELEVON HINGE MOMENTS	*FORCE	*0.004 / *0.60 - *3.48	*ROCKWELL/MSFC 14-INCH TRISONIC WIND TUNNEL	*E.C. ALLEN/ROCKWELL *LL *J. E. VAUGHN *G. W. KLUG *-DMS	*DMS-DR-2335 *DEC., 1979
LARC UPWT 1345 1390 LA145 CR-167,375	*INVESTIGATION OF THE HIGH ANGLE OF ATTACK AERODYNAMICS OF A SPACE SHUTTLE ORBITER (LARC) ON 98 SCALE MODEL IN THE LARC UPWT AT MACH NUMBERS FROM 1.5 TO 4.5 (LA145)	*LARC .0098-SCALE CAST ALUMINUM	*TO OBTAIN ORBITER AERO CHARACTERISTICS AT ANGLES OF ATTACK FROM 25 TO 60 DEGREES	*FORCE	*1.5-4.5	*LARC / *LARC UNITARY PLAN WIND TUNNEL	*G. WARE/LARC *B. SPENCER, JR/LARC *J. E. VAUGHN *B. J. BURST *-DMS	*DMS-DR-2336 *MAY, 1983
NRLAD LSWT 759 OA236 CR-151,786	*A VERIFICATION STUDY OF THREE AMES RESEARCH CENTER PITOT-STATIC PROBES IN THE ROCKWELL INTERNATIONAL NAVAL LOW SPEED WIND TUNNEL	*FLIGHT TEST PROBE CALIBRATION	*TO VERIFY THE CALIBRATION DATA OBTAINED USING THE AMES RESEARCH CENTER PROBES	*PRESSURE	*0.186-0.262	*ROCKWELL/NRLAD LOW SPEED WIND TUNNEL	*J. G. LEFEVRE/RI *D.W. HERSEY *G. R. LUTZ *-DMS	*DMS-DR-2337 *DEC., 1979

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
UW	- *RESULTS OF THE LO*	AX1322D-3, ORBITER	TO ASSES POTENTIAL	STRUCT-DYN	*O.046 /	*BOEING /	*R. L. GILLENS/RI	*DMS-DR-2338
LSWT	- *W SPEED AEROELAST	MODEL 8-0	*L BUFFET PROBLEMS			*UW -	*D. A. SARVER	*NOV., 1976
1170	/*IC BUFFET TEST WI		*RESULTING FROM O *			*LOW SPEED WIND	*M. M. MOSER JR.	
CS3	*TH A O.046-SCALE *		*RBITER WAKE CHARA			*TUNNEL	*-DMS	
CR-147,639	*MODEL (747-AX1322*		*CTERISTICS WITH T*					
	*D-3/ORBITER 8-0) *		*AILCONE OFF, TO P*					
	OF THE 747 CAM/OR		*ROVIDE DESIGN LOA*					
	BITER IN THE UNIV		*DS AND ACCELERATI*					
	ERSITY OF WASHING		*ON ENVIRONMENTS, *					
	*TON WIND TUNNEL *		*TO DEVELOP BUFFET*					
	*		*SENSITIVITY DATA *					
	*		*TO VARIOUS AEROD *					
	*							
AEDC	- *RESULTS OF TESTS *	O.0175-SCALE THIN	1)SPANWISE HEATIN	HEAT-TRANS	*O.0175 /	*ROCKWELL/	*C.L. BERTHOLD, J.	*DMS-DR-2340
HWTB	- *ON A O.0175-SCALE *	SKIN THERMOCOUP	G ON UPPER WING S		*7.90 -	*AEDC -	*MARROQUIN/RI	*VOLUME 01
J7A	/*MODEL (60-0) OF *	E SHUTTLE ORBITER	*URFACE, 2)EFFECT *		*8.00	*HYPERSONIC WIN	*D.W.HERSEY	*SEPT., 1980
OH98	*THE SPACE SHUTTLE	*60-0	*OF HAT BAND PROTU			*D TUNNEL (B)	*G. R. LUTZ	
CR-160,501	*ORBITER TO DETER *		*BERANCES AND LH2 *				*-DMS	
	MINE RE-ENTRY MOD		*COOLING LINES ON *					
	E CONVECTIVE HEAT		*SSME NOZZLE HEATI					
	*TRANSFER RATES O *		*NG, AND 3)UPDATE *					
	*N THE UPPER WING *		*CLEAN NOZZLE HEAT*					
	*SURFACE AND SSME *		*ING WITH BODY FLA*					
	NOZZLES IN THE AE		*P AND ELEVEN DEFL*					
	DC V<F 'B' HYPERS		*ECTIONS					
	*ONIC WIND TUNNEL *							
	*(OH98)							
	*							
	*							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *RESULTS OF TESTS	*0.0175-SCALE THIN	*1)SPANWISE HEATIN	*HEAT-TRANS	*0.0175 /	*ROCKWELL/	*C.L. BERTHOLD, J.	*DMS-DR-2340
HWTB	- *ON A 0.0175-SCALE	*-SKIN THERMOCOUP	*G ON UPPER WING S		*7.90 -	*AEDC -	*MARROQUIN/RI	*VOLUME 02
J7A	/ *MODEL (60-0) OF	*E SHUTTLE ORBITER	*URFACE, 2)EFFECT		*8.00	*HYPERSONIC WIN	*D.W.HERSEY	*SEPT., 1980
OH98	*THE SPACE SHUTTLE	*60-0	*OF HAT BAND PROTU			*D TUNNEL (B)	*G. R. LUTZ	
CR-160,502	*ORBITER TO DETER		*BERANCES AND LH2				*-DMS	
	*MINE RE-ENTRY MOD		*COOLING LINES ON					
	*E CONVECTIVE HEAT		*SSME NOZZLE HEATI					
	*TRANSFER RATES J		*NG, AND 3)UPDATE					
	*N THE UPPER WING		*CLEAN NOZZLE HEAT					
	*SURFACE AND SSME		*ING WITH BODY FLA					
	*NOZZLES IN THE AE		*P AND ELEVON DEFL					
	*DC VKF 'B' HYPERS		*ECTIONS					
	*ONIC WIND TUNNEL							
	*(OH98)							
	*							
TBCA	- *RESULTS OF TESTS	*747CAM/ORBITER	*TO OBTAIN DYNAMI	*STRUCT-DYN	*0.03 /	*BOEING /	*C. A. LUNDER, W.	*DMS-DR-2341
BTWT	- *CS4 AND CS5 TO IN		*C LOADS, PRESSURE		*0.15 -	*TBCA -	*D. BURGGRAB, W. R	*OCT., 1976
1490/1493	*VESTIGATE DYNAMIC		**, EMPENNAGE FLOW		*0.70	*TRANSONIC WIND	*. COVINGTON/TBC	
CS4/5	*LOADS AND PRESSU		*FIELD DATA			*TUNNEL	*D. A. SARVER	
CR-147,638	*RES ON 0.03-SCALE						*M. M. MOSER JR.	
	*MODELS (AX1319-3						*-DMS	
	* /4 AND 45-0) OF M							
	*ATED 747 CAM AND							
	*SPACE SHUTTLE ORB							
	*ITER IN THE BOEIN							
	*G TRANSONIC WIND							
	*TUNNEL							
	*							
AEDC	- *RESULTS OF PHASE	*MODEL 82-0. 50% F	*TO INVESTIGATE SU	*HEAT-TRANS	*0.040 /	*ROCKWELL/	*W. H. DYE/RI	*DMS-DR-2342
HWTB	- *CHANGE PAINT HEAT	*OREBODY	*RFACE ROUGHNESS E		*8 -	*AEDC -	*L. L. TRIMMER/ARO	*JUNE, 1977
82A	/ *TRANSFER TEST UT		*FFECTS ON BOUNDAR			*HYPERSONIC WIN	*M. M. MOSER JR.	
OH54B	*ILIZING 0.040 SCA		*Y LAYER TRANSITIO			*D TUNNEL (B)	*-DMS	
CR-151,074	*LE 50 PERCENT FOR		*N					
	*EBODY MODELS (NO.							
	*82-0) OF THE ROC							
	*KWEILL INTERNATIONAL							
	*AL SPACE SHUTTLE							
	*ORBITER IN THE AE							
	*DC VKF HYPERSO							
	*TUNNEL B							
	*							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 22HT 445 LA85 CR-160,849	- *PITOT PRESSURE SU*ATP ORBITER - *RVEYS ON THE LEEW* /*ARD SURFACE OF A * *O.OO45-SCALE MODE* *L ATP SHUTTLE ORB* *ITER AT 30 DEGREE* *S ANGLE OF ATTACK* *AND MACH 20 IN T * *HE LARC 22 INCH H* *ELIUM TUNNEL(LA85* *)		*TO MEASURE TOTAL *PRESSURE *PRESSURES IN THE * *LEE SIDE FLOW FIE* *LD OF THE ORBITER* *AT MACH 20 AND 3 * *O DEGREES ANGLE O* *F ATTACK		*O.OO45 / *20.0 - *20.0	*LARC / *LARC - *22-INCH HELIUM* *TUNNEL	*GEORGE C. ASHBY, J* *R. - LARC *J. E. VAUGHN *B. J. BURST *-DMS	*DMS-DR-2343 *DEC., 1981
ARC 11TWT 200-1 LA77 CR-151,788	- *TRANSONIC STABILI*ORBITER-140A/B/C**TO OBTAIN TRANSON*FORCE - *TY AND CONTROL CH*B26 C9 E43 F8 M16*IC AERODYNAMIC DA* /*ARACTERISTICS OF *N28 R5 V8 W *A O.O15-SCALE (RE* *ELEVON) MODEL 44 * *-O OF THE SPACE S* *HUTTLE ORBITER TE* *STED IN THE NASA/* *ARC 11-FOOT TRANS* *ONIC WIND TUNNEL * *(LA77)		*TA ON CONTROL SUR* *FACE LINEARITY AN* *D SENSITIVITY TO * *MACH NUMBER FOR F* *INE-CUT SPEEDBRAK* *E, BODY FLAP, AND* *RUDDER DEFLECTION* *S AND TO INVESTIG* *ATE THE INTERACTI* *VE EFFECTS OF MUT* *UAL CONTROL SURFA* *CE DEVLECTIONS		*O.O15 / *O.6 - *1.2	*LARC / *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY)	*J. GAMBLE, J. UND* *ERWOOD/JSC *HARRY PARRELL/RI *J. W. BALL *C. R. EDWARDS *-DMS	*DMS-DR-2344 *VOLUME 01 *JAN., 1980

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT	- *TRANSONIC STABILIZER AND CONTROL CHARACTERISTICS OF A 0.015-SCALE (RELA77)	*ORBITER-140A/B/C=	*TO OBTAIN TRANSONIC FORCE		*0.015 /	*LARC /	*J. GAMBLE, J. UND	*DMS-DR-2344
200-1	/*ARACTERISTICS OF	*N28 R5 V8 W	*TA ON CONTROL SUR		*0.6 -	*ARC -	*ERWOOD/JSC	*VOLUME 02
LA77	*A 0.015-SCALE (RE		*FACE LINEARITY AN		*1.2	*11-FOOT TRANSO	*HARRY PARRELL/RI	*JAN., 1980
CR-151,789	*MOTELY CONTROLLED		*D SENSITIVITY TO		*	*NIC WIND TUNNE	*J. W. BALL	*
	*ELEVON) MODEL 44		*MACH NUMBER FOR F		*	*L (UNITARY)	*C. R. EDWARDS	*
	*-O OF THE SPACE S		*INE-CUT SPEEDBRAK		*		*-DMS	*
	*HUTTLE ORBITER T		*E, BODY FLAP, AND		*			*
	*STED IN THE NASA/		*RUDDER DEFLECTION		*			*
	*ARC 11-FOOT TRANS		*S AND TO INVESTIG		*			*
	*ONIC WIND TUNNEL		*ATE THE INTERACTI		*			*
	*(LA77)		*VE EFFECTS OF MUT		*			*
	*		*VAL CONTROL SURFA		*			*
	*		*CE DEFLECTIONS		*			*
	*		*		*			*
MSFC 14TWT	- *AERODYNAMIC ROLL CHARACTERISTICS OF A 0.00548 SCALE (MODEL 645)	*146-INCH SRB/TRUN	*TO STUDY ROLL CHA		*1.46 -	*MSFC /	*P. E. RAMSEY/MSFC	*DMS-DR-2345
SA21F	/*ING THE 0.010-SCA		*RACTERISTICS (TO		*3.48	*MSFC -	*V. W. SPARKS	*OCT., 1978
TM-X	*146-INCH SOLID R		*OBTAIN IMPROVED		*	*14-INCH TRISON	*M. MOSER JR.	*
78195	*CKET BOOSTER REE		*ND MORE ACCURATE		*	*IC WIND TUNNEL	*-DMS	*
	*NTRY CONFIGURATIO		*ROLLING MOMENT DA		*			*
	*N (MSFC MODEL NUM		*TA ON SRB BY USIN		*			*
	*BER 486) OVER A P		*G A SENSITIVE SIN		*			*
	*ORTION OF THE REE		*GLE COMPONENT ROL		*			*
	*NTRY FLIGHT REGIM		*L BALANCE--NO. 24		*			*
	*E IN THE NASA/MSF		*7		*			*
	*C 14-INCH TRISONI		*		*			*
	*C WIND TUNNEL		*		*			*
	*		*		*			*
AEDC SWTA	- *RESULTS OF SRB SEPARATION TESTS USING THE 0.010-SCALE SSV MODEL 75-0	*75-OTS	*TO OBTAIN PROXIMI		*0.010 /	*ROCKWELL/	*J. J. DAILED, J.	*DMS-DR-2346
K1A	/*ING THE 0.010-SCA		*TY FORCE AND MOMEN		*4.5-	*AEDC -	*MARROQUIN/RI	*VOLUME 01
IA142	*LE SSV MODEL 75-0		*NT DATA FOR ORB/E		*4.5	*SUPERSONIC WIN	*J. E. VAUGHN	*JAN., 1978
CR-151,385	*TS IN THE AEDC VK		*T AND SRB WITH BO		*	*D TUNNEL (A)	*M. M. MOSER JR.	*
	*F TUNNEL A		*OSTER SEPARATION		*		*-DMS	*
	*		*MOTOR PLUME EFFEC		*			*
	*		*TS		*			*
	*		*		*			*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC SWTA K1A IA142 CR-151,386	- *RESULTS OF SRB SE*75-OTS - *PARATION TESTS US* /*ING THE 0.010-SCA* *LE SSV MODEL 75-0* *TS IN THE AEDC VK* *F TUNNEL A		*TO OBTAIN PROXIMI*FORCE *TY FORCE AND MOM* *NT DATA FOR ORB/E* *T AND SRB WITH BO* *OSTER SEPARATION * *MOTOR PLUME EFFEC* *TS		*0.010 / *ROCKWELL/ * 4.5- *AEDC - * 4.5 *SUPERSONIC WIN*J. J. DAILED, J. * *D TUNNEL (A) *MARROQUIN/RI * * *J. E. VAUGHN * *-DMS *M. M. MOSER JR.			*DMS-DR-2346 *VOLUME 02 *JAN., 1978	
AEDC SWTA K1A IA142 CR-151,387	- *RESULTS OF SRB SE*75-OTS - *PARATION TESTS US* /*ING THE 0.010-SCA* *LE SSV MODEL 75-0* *TS IN THE AEDC VK* *F TUNNEL A		*TO OBTAIN PROXIMI*FORCE *TY FORCE AND MOM* *NT DATA FOR ORB/E* *T AND SRB WITH BO* *OSTER SEPARATION * *MOTOR PLUME EFFEC* *TS		*0.010 / *ROCKWELL/ * 4.5- *AEDC - * 4.5 *SUPERSONIC WIN*J. J. DAILED, J. * *D TUNNEL (A) *MARROQUIN/RI * * *J. E. VAUGHN * *-DMS *M. M. MOSER JR.			*DMS-DR-2346 *VOLUME 03 *JAN., 1978	
UW LSWT 1173 CA15A CR-160,482	- *MATED AERODYNAMIC*.04 SCALE 747-100*TO PROVIDE A DATA*FORCE - *CHARACTERISTICS *747 CAM/ORBITER-F*BASE TO DEFINE A * /*INVESTIGATION FOR*ERRY CONF *ERODYNAMIC CHARAC* *O.04-SCALE MODEL *747 CAM/ORBITER-A*TERISTICS IN PITC* *BOEING 747 CAM/O *LT CONF *H AND YAW FOR ADD* *RBITER (MODEL AX1* *284 E-6) COMBINAT* *ION IN THE UNIVER* *SITY OF WASHINGTO* *N AERONAUTICAL LA* *BORATORY F. K. KI* *RSTEN WIND TUNNEL* *(CA15A)		*TO OBTAIN PROXIMI*FORCE *TY FORCE AND MOM* *NT DATA FOR ORB/E* *T AND SRB WITH BO* *OSTER SEPARATION * *MOTOR PLUME EFFEC* *TS		*0.04 / *BOEING / *0.15 - *UW - *0.15 *LOW SPEED WIND*ROFF/TBC * *TUNNEL *R. H. LINDAHL * * *-DMS			*DMS-DR-2347 *VOLUME 01 *JUNE, 1980	

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL SCALE MACH RANGE*	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
UW	- *MATED AERODYNAMIC	*747-100 ALONE	*TO SUPPLEMENT IN	*FORCE	* 0.04,	*BOEING /	*R.D.KNUDSEN/ THE	*DMS-DR-2348
LSWT	- *CHARACTERISTICS	*747-100 WITH CAM	*GROUND EFFECT ON	*	* .0405/	*UW -	*BOEING CO.	*VOLUME 01
1178	/ *INVESTIGATION FOR	*TYPE II KITS ATTA	*THE MATED ALT CON	*	* 0.15-	*LOW SPEED WIND	*D.W.HERSEY	*JUNE, 1980
CA15B	*O.O4-SCALE MODEL	*CHED	*FIGURATIONS, AND	*	* 0.15	*TUNNEL	*G. W. KLUG	*
CR-160,483	*BDEING 747 CAM/OR	*747-100 WITH 43-O	*OBTAIN DATA IN FR	*	*	*	*-DMS	*
	*BITER (MODEL AX12)	*ATTACHED TO THE	*EE AIR ON THE 747*	*	*	*	*	*
	*84 E-7) COMBINATI	*747 CAM	*WITH CAM TYPE II *	*	*	*	*	*
	ON IN THE UNIVERS		*MODIFICATIONS AN *	*	*	*	*	*
	ITY OF WASHINGTON		*D ON THE MATED CO*	*	*	*	*	*
	*AERONAUTICAL LAB *		*NFIGURATION FOR 4*	*	*	*	*	*
	ORATORY F.K. KIRS		*.5 DEG. INCIDENCE*	*	*	*	*	*
	TEN WIND TUNNEL (*	*	*	*	*	*
	*CA15B)		*	*	*	*	*	*
	*		*	*	*	*	*	*
UW	- *RESULTS OF TEST C	*CARRIER B29BW45N*	*THIS TEST WAS PAR	*FORCE	*0.04	, *BOEING /	*W.N. WRIGHT/TBC	*DMS-DR-2349
LSWT	- *A17 CONDUCTED IN	*5857M2526T14Q12AT	*T II OF THE CARRI*	*	*0.0405	/ *UW -	*D. A. SARVER	*NOV., 1977
1184	/ *THE UWAL LOW SPEE	*115.1106.1V9.1.3F*	*ER AIRCRAFT MODIF*	*	* 0.15-	*LOW SPEED WIND	*G. W. KLUG	*
CA17	*D WIND TUNNEL	*TS1	*ICATION PROGRAM *	*	* 0.15	*TUNNEL	*-DMS	*
CR-151,379	*USING THE MATED O	*ORBITER B26.1C9E*	*(CAM). EFFECTS OF	*	*	*	*	*
	*.O4-SCALE 747 MOD	*44FBM16R5V8W116	*FLAP, STABILIZER *	*	*	*	*	*
	EL AX1284 AND O.O		*, RUDDER, SPOILER*	*	*	*	*	*
	405 SPACE SHUTTLE		*,AILERON, ELEVN*	*	*	*	*	*
	*ORBITER MODEL 43--		*,AND INCIDENCE AN*	*	*	*	*	*
	*O		*GLES, TAILCONE AN*	*	*	*	*	*
	*		*D GROUND PROXIMIT*	*	*	*	*	*
	*		*Y ON BOTH LONGI- *	*	*	*	*	*
	*		*TUDINAL AND LATER*	*	*	*	*	*
	*		*AL-DIRECTIONAL CH*	*	*	*	*	*
	*		*ARACTERISTICS AT *	*	*	*	*	*
	*		*MACH 0.15.	*	*	*	*	*
	*		*	*	*	*	*	*
LARC	- *RESULTS OF PHASE	*140B ORB., MODEL	*TO OBTAIN THERMAL	*HEAT-TRANS*	*0.006	/ *ROCKWELL/	*J. W. CUMMINGS, W	*DMS-DR-2350
8VDHT	- *CHANGE PAINT THER	*90-O	*CONTOURS	*	*8.0 -	*LARC -	*. H. DYE/RI	*APRIL, 1977
4502-4601	/ *MAL MAPPING TEST *		*	*	*8.0	*MACH 8 VARIABLE	*D. A. SARVER	*
OH46	*OH46 USING THE O.*		*	*	*	*E-DENSITY HYPE*	*M. M. MOSER JR.	*
CR-151,065	*OO6-SCALE MODEL 9*		*	*	*	*RSONIC TUNNEL	*-DMS	*
	O-O IN THE NASA L		*	*	*	*	*	*
	ARC VARIABLE DENS		*	*	*	*	*	*
	*ITY TUNNEL		*	*	*	*	*	*
	*		*	*	*	*	*	*

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD	- *RESULTS OF TEST O*ORBITER 102 FORE*	*TO OBTAIN LOW SPE*FORCE	*O.18 -	*ROCKWELL/	*R.B.RUSSELL/ R.I.*DMS-DR-2351			
LSWT	- *A238 USING THE SS*ODY	*ED AIR DATA SYSTE*	*O.25	*NRLAD -	*R.R.BURROWS/ R.I.*JAN., 1982			
764	/*V VEHICLE 102 O.1*	*M SIDE PROBE AND *		*LOW SPEED WIND*W. B. MEINDERS *				
OA238	*O-SCALE FOREBODY *	*FLIGHT TEST PROBE*		*TUNNEL	*-DMS			
CR-160,853	*MODEL NO. 99-O IN*	*PRESSURE DATA ON *						
	*THE NAAL LOW SPE *	*THE OML FOREBODY *						
	ED WIND TUNNEL TO	*MODEL 99-O, ALSO *						
	*INVESTIGATE AIR *	*TO INVESTIGATE MO*						
	DATA SYSTEM CHARA	*DEL BLOCKAGE AND *						
	*CTERISTICS	*THE EFFECTS OF PR*						
	*	*OBE POSITION, PRO*						
	*	*BE SCALE AND PROB*						
	*	*E ROLL ANGLES ON *						
	*	*ALL RECORDED PRES*						
	*	*SURE LEVELS						
	*	*						
LARC	- *A STUDY OF TRANSO*ORBITER 140A/B/C	*THIS REPORT PRESE*FORCE	*O.015/	*LARC /	*BERNARD SPENCER J* DMS-DR-2352			
8TPT	- *NIC BETA HYSTERES*B26C9E43F8M16N28	*NTS THE RESULTS O*	*.7-	*LARC -	*R./ LARC	*JAN., 1978		
758	/*IS OF AN O.015 SC*R5V8W	*F AN INVESTIGATIO*	*1.2	*8-FOOT TRANSON*GEORGE M. WARE/ L*				
LA91	*ALE MODEL 44-O *	*N IN THE NASA/ *		*IC PRESSURE TU*ARC				
CR-151,383	*(SPACE SHUTTLE OR*	*LARC 8-FOOT TRANS*		*NNEL	*J. W. BALL			
	BITER TESTED IN T	*ONIC PRESSURE TUN*			*G. W. KLUG			
	HE NASA/LARC 8-FO	*NEL OF THE BETA H*			*-DMS			
	*OT TRANSONIC) *	*YSTERESIS EFFECT *						
	PRESSURE TUNNEL (*	*OF AN O.015 SCALE*						
	*LA91)	*SSV ORBITER						
	*	*						
	*	*						
ARC	- *SUBSONIC STABILIT*ALT	*TO EVALUATE THE S*FORCE	*O.030 /	*LARC /	*G. M. WARE, B. SP* DMS-DR-2353			
11TWT	- *Y AND CONTROL CHA*	*TABILITY AND CONT*	*O.4 -	*ARC -	*ENCER, JR./LARC	*JUNE, 1981		
213-1	/*RACTERISTICS OF A*	*ROL CHARACTERISTI*	*O.7	*11-FOOT TRANSO*	*J. UNDERWOOD, P. *			
LA89	*O.030-SCALE SPAC *	*CS OF THE SHUTTLE*		*NIC WIND TUNNE*	*ROMERE, JSC			
CR-160,827	*E SHUTTLE ORBITER*	*ORBITER IN THIS *		*L (UNITARY)	*S. R. HOULIHAN			
	*WITH TAILCONE (M *	*ALT CONFIGURATION*			*B. J. BURST			
	*ODEL 201) TESTED *	*			*-DMS			
	IN THE NASA/ARC 1	*						
	*1-FOOT TRANSONIC *	*						
	WIND TUNNEL (LA89	*						
	*)	*						
	*	*						
	*	*						

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	* REPORT TITLE	* CONFIGURATIONS TESTED	* TEST PURPOSE	* TYPE OF TEST	* MODEL SCALE * MACH RANGE	* TESTING AGENCY	* COGNIZANT TEST DMS PERSONNEL	* BASIC PUBLICATIONS OR COMMENTS
AEDC	- *RESULTS OF SRB SE*MODEL 75-QTS (WIN*TO COMPLETE DATA *FORCE				*4.0 -	*ROCKWELL/	*J. J. DAILED, R*DMS-DR-2354	
SWTA	- *PARATION TESTS US*G)		*VOIDS IN THE SRB *		*5.0	*AEDC -	*. H. SPANGLER /RI*VOLUME 01	
P8A	/*ING THE 0.010 SCA*		*SEPARATION AERO D*		*	*SUPERSONIC WIN*	*J. E. VAUGHN *FEB., 1978	
IA143	*LE SSV MODEL 75-O*		*ATA BASE FOR BOTH*		*	*D TUNNEL (A)	*G. G. MCDONALD *	
CR-151,401	*TS IN THE AEDC VK*		*PLUME-ON AND PLU *		*	*	*-DMS *	
TM-X	*F TUNNEL A (IA143*		*ME-OFF CONDITIONS*		*	*	*	
1	*)		*		*	*	*	
	*		*		*	*	*	
AEDC	- *RESULTS OF SRB SE*MODEL 75-QTS (WIN*TO COMPLETE DATA *FORCE				*4.0 -	*ROCKWELL/	*J. J. DAILED, R*DMS-DR-2354	
SWTA	- *PARATION TESTS US*G)		*VOIDS IN THE SRB *		*5.0	*AEDC -	*. H. SPANGLER /RI*VOLUME 02	
P8A	/*ING THE 0.010 SCA*		*SEPARATION AERO D*		*	*SUPERSONIC WIN*	*J. E. VAUGHN *FEB., 1978	
IA143	*LE SSV MODEL 75-O*		*ATA BASE FOR BOTH*		*	*D TUNNEL (A)	*G. G. MCDONALD *	
CR-151,402	*TS IN THE AEDC VK*		*PLUME-ON AND PLU *		*	*	*-DMS *	
TM-X	*F TUNNEL A (IA143*		*ME-OFF CONDITIONS*		*	*	*	
2	*)		*		*	*	*	
	*		*		*	*	*	
AEDC	- *RESULTS OF SRB SE*MODEL 75-QTS (WIN*TO COMPLETE DATA *FORCE				*4.0 -	*ROCKWELL/	*J. J. DAILED, R*DMS-DR-2354	
SWTA	- *PARATION TESTS US*G)		*VOIDS IN THE SRB *		*5.0	*AEDC -	*. H. SPANGLER /RI*VOLUME 03	
P8A	/*ING THE 0.010 SCA*		*SEPARATION AERO D*		*	*SUPERSONIC WIN*	*J. E. VAUGHN *FEB., 1978	
IA143	*LE SSV MODEL 75-O*		*ATA BASE FOR BOTH*		*	*D TUNNEL (A)	*G. G. MCDONALD *	
CR-151,403	*TS IN THE AEDC VK*		*PLUME-ON AND PLU *		*	*	*-DMS *	
TM-X	*F TUNNEL A (IA143*		*ME-OFF CONDITIONS*		*	*	*	
3	*)		*		*	*	*	
	*		*		*	*	*	
AEDC	- *RESULTS OF SRB SE*MODEL 75-QTS (WIN*TO COMPLETE DATA *FORCE				*4.0 -	*ROCKWELL/	*J. J. DAILED, R*DMS-DR-2354	
SWTA	- *PARATION TESTS US*G)		*VOIDS IN THE SRB *		*5.0	*AEDC -	*. H. SPANGLER /RI*VOLUME 04	
P8A	/*ING THE 0.010 SCA*		*SEPARATION AERO D*		*	*SUPERSONIC WIN*	*J. E. VAUGHN *FEB., 1978	
IA143	*LE SSV MODEL 75-O*		*ATA BASE FOR BOTH*		*	*D TUNNEL (A)	*G. G. MCDONALD *	
CR-151,404	*TS IN THE AEDC VK*		*PLUME-ON AND PLU *		*	*	*-DMS *	
TM-X	*F TUNNEL A (IA143*		*ME-OFF CONDITIONS*		*	*	*	
4	*)		*		*	*	*	
	*		*		*	*	*	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *RESULTS OF TEST O*B17 C7 E22 F7 M4		*TO INVESTIGATE AE*HEAT-TRANS		*7.9 -	*ROCKWELL/	*W. J. GRIFALL/RI	*DMS-DR-2355
SWTA	- *H49A OF THE .0175*W104		*RODYNAMIC HEATING*		*8.0	*AEDC	*W. R. MARTINDALE,	*JUNE, 1977
VA525/218/	*-SCALE SPACE SHUT*		*EFFECTS DURING E *			*SUPERSONIC WIN*	*C. E. KAUL/ARO	
OH49A	*TLE ORBITER MODEL*		*NTRY			*D TUNNEL (A)		
CR-151,066	*22-O CONDUCTED IN*							
	*THE AEDC VKF TUN *							
	NEL B TO DETERMIN							
	E AERO HEATING CH							
	*ARACTERISTICS *							
	* *							
AEDC	- *AERODYNAMIC HEATI*MODEL 83-O (B60 C		*TO INVESTIGATE EF*HEAT-TRANS		*0.040 /	*ROCKWELL/	*B. J. HERRERA/RI	*DMS-DR-2356
HWTB	- *NG RESULTS OBTAIN*10)		*FECTS OF PROTUBER*		*7.90 -	*AEDC	*D. A. SARVER	*MAY, 1977
B7A	/*ED DURING TEST OH*		*ANCES ON AERODYNA*		*8.0	*HYPERSONIC WIN*	*M. M. MOSER JR.	
OH60	*60 CONDUCTED IN T*		*MIC HEATING ON TH*			*D TUNNEL (B)	*-DMS	
CR-151,064	*HE AEDC VKF TUNNE*		*E SS ORBITER FUSE*					
	L B USING THE O.O		*LAGE NOSE, CANOPY*					
	40-SCALE MODEL 83		*, AND SIDE WALLS *					
	-O OF THE SPACE S							
	HUTTLE ORBITER FO							
	RWARD FIFTY PERCE							
	*NT FUSELAGE *							
	* *							
ARC	- *RESULTS OF ASCENT*INTEGRATED VEHICL*		*TO OBTAIN AERODYN*HEAT-TRANS		*0.0175 /	*ROCKWELL/	*W. H. DYE/RI	*DMS-DR-2357
3.5HWT	- *AERODYNAMIC HEAT *E		*AMIC HEAT TRANSFE*		*5.3 -	*ARC	*S. R. HOULIHAN	*JUNE, 1983
222	/*ING TESTS ON THE *ORBITER PLUS TANK*R		*R DATA ON THE SSV*		*7.4	*3.5-FOOT HYPER*	*G. W. KLUG	
IH68	*SPACE SHUTTLE ASC*ORBITER, TANK, AN*		*VEHICLE 5 CONFIG *			*SONIC WIND TUN*	*-DMS	
CR-167,655	*ENT VEHICLE, AT M*D SRB ALONE		*URATION			*NEL		
	ACH 5.3 AND 7.4 I							
	N THE NASA/AMES 3							
	.5-FOOT HWT, USIN							
	G THE 0.0175-SCAL							
	E MODEL 60 OTS (I							
	*H68)							
	* *							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC HWTB 58A OH50B CR-151,067	- *AERODYNAMIC HEAT TRANSFER RESULTS OBTAINED DURING TEST OH-83-0 *50B CONDUCTED IN THE AEDC VKF TUNNEL B USING THE 0.040-SCALE 83-0 OF THE SPACE SHUTTLE ORBITER FORWARD FIFTY PERCENT FUSELAGE	*FORWARD 50 PERCENT OF FUSELAGE, MODELS OF PROTUBERANCES ON AERO. HEATING ON NOSE, CANOPY, SIDE WALLS	*TO INVESTIGATE EFFECTS OF PROTUBERANCES ON AERO. HEATING ON NOSE, CANOPY, SIDE WALLS	*HEAT-TRANSFER	*0.040 / *7.90 - *8.00	*ROCKWELL/AEDC - *HYPERSONIC WIND TUNNEL (B)	*W. H. DYE/RI *D. A. SARVER *M. M. MOSER JR. *DMS	*DMS-DR-2358 *JUNE, 1977
CALSPAN 96HST 131 OH66 CR-151,405	- *RESULTS OF HEAT TRANSFER TESTING OF AN 0.025-SCALE MODEL (66-0) OF THE SPACE SHUTTLE ORBITER CONFIGURATION 140B IN THE CALSPAN HYPERSONIC SHOCK TUNNEL (OH66)	*ROCKWELL VEHICLE *OBTAIN SPANWISE HEAT TRANSFER RATES *DISTRIBUTIONS ON THE LEADING EDGE OF THE GLOVE AND WING, ESPECIALLY SHOCK INTERFERENCE PEAKS. OBTAIN HEAT TRANSFER DISTRIBUTIONS NORMAL TO A LEADING EDGE AT SIX SPANWISE LOCATIONS.	*HEAT-TRANSFER	*0.025 / *9.88 - *10.0	*ROCKWELL/CALSPAN - *96-INCH HYPERSONIC SHOCK TUNNEL	*C.L.BERTHOLD/ROCKWELL *ELL *H.GOROWITZ/ROCKWELL *J. E. VAUGHN *DMS	*DMS-DR-2359 *MARCH, 1978	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 97SWT 119-1 87SWT 119 OA221B/C CR-160,521	*CALIBRATION TESTS* *OF THE SPACE SHU* /*TTLE ORBITER PRIM* *ARY AND ALTERNATE* /*AIR DATA SYSTEMS* *USING A 0.10-SCA* *LE ORBITER FOREBO* *DY MODEL (99-0) I* *N THE NASA AMES R* *ESEARCH CENTER 9* *X 7 AND 8 X 7-FOO* *T LEGS OF THE UNI* *TARY PLAN WIND TU* *NNEL (OA221B AND* *C)	*ORBITER VEHICLE 1* *O2 FOREBODY* *T AND STATIC PRES* *SURE ERRORS;DETER* *MINE PROBE SCALE* *EFFECT ON THE STA* *TIC PRESSURE CALI* *BRATION;CALIBRATE* *THE ANGLE-OF-ATTA* *CK SENSOR; EVALUA* *TION OF BOTH FLUS* *H PORT AND INSTRU* *MENTED REACTION C* *ONTROL SYSTEM THR* *USTER AIR DATA SY* *STEMS	*MEASURE AIR DATA* *SYSTEM PROBE PITO* *T AND STATIC PRES* *SURE ERRORS;DETER* *MINE PROBE SCALE* *EFFECT ON THE STA* *TIC PRESSURE CALI* *BRATION;CALIBRATE* *THE ANGLE-OF-ATTA* *CK SENSOR; EVALUA* *TION OF BOTH FLUS* *H PORT AND INSTRU* *MENTED REACTION C* *ONTROL SYSTEM THR* *USTER AIR DATA SY* *STEMS	*FORCE*	*0.10 / *1.6 - *3.5	*ROCKWELL/* *ARC - *9-FOOT BY 7-FO* *OT SUPERSONIC *-DMS* *WIND TUNNEL (U* *NITARY)* *8-FOOT BY 7-FO* *OT SUPERSONIC* *WIND TUNNEL (U* *NITARY)*	*A.R.GROSS/ARC* *T.J.DZIUBALA/R.I.* *W. B. MEINDERS* *-DMS* *WIND TUNNEL (U* *NITARY)* *8-FOOT BY 7-FO* *OT SUPERSONIC* *WIND TUNNEL (U* *NITARY)*	*DMS-DR-2360* *VOLUME 01* *DEC., 1980*
ARC 97SWT 119-1 87SWT 119 OA221B/C CR-160,522	*CALIBRATION TESTS* *OF THE SPACE SHU* /*TTLE ORBITER PRIM* *ARY AND ALTERNATE* /*AIR DATA SYSTEMS* *USING A 0.10-SCA* *LE ORBITER FOREBO* *DY MODEL (99-0) I* *N THE NASA AMES R* *ESEARCH CENTER 9* *X 7 AND 8 X 7-FOO* *T LEGS OF THE UNI* *TARY PLAN WIND TU* *NNEL (OA221B AND* *C)	*ORBITER VEHICLE 1* *O2 FOREBODY* *T AND STATIC PRES* *SURE ERRORS;DETER* *MINE PROBE SCALE* *EFFECT ON THE STA* *TIC PRESSURE CALI* *BRATION;CALIBRATE* *THE ANGLE-OF-ATTA* *CK SENSOR; EVALUA* *TION OF BOTH FLUS* *H PORT AND INSTRU* *MENTED REACTION C* *ONTROL SYSTEM THR* *USTER AIR DATA SY* *STEMS	*MEASURE AIR DATA* *SYSTEM PROBE PITO* *T AND STATIC PRES* *SURE ERRORS;DETER* *MINE PROBE SCALE* *EFFECT ON THE STA* *TIC PRESSURE CALI* *BRATION;CALIBRATE* *THE ANGLE-OF-ATTA* *CK SENSOR; EVALUA* *TION OF BOTH FLUS* *H PORT AND INSTRU* *MENTED REACTION C* *ONTROL SYSTEM THR* *USTER AIR DATA SY* *STEMS	*FORCE*	*0.10 / *1.6 - *3.5	*ROCKWELL/* *ARC - *9-FOOT BY 7-FO* *OT SUPERSONIC *-DMS* *WIND TUNNEL (U* *NITARY)* *8-FOOT BY 7-FO* *OT SUPERSONIC* *WIND TUNNEL (U* *NITARY)*	*A.R.GROSS/ARC* *T.J.DZIUBALA/R.I.* *W. B. MEINDERS* *-DMS* *WIND TUNNEL (U* *NITARY)* *8-FOOT BY 7-FO* *OT SUPERSONIC* *WIND TUNNEL (U* *NITARY)*	*DMS-DR-2360* *VOLUME 02* *DEC., 1980*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NRLAD	- *RESULTS OF A LAND	*B68C12E55F10M16N2	*THE PRIMARY TEST	*FORCE	*0.0405 /	*ROCKWELL/	*R.C.MENNELL/ROCKW	*DMS-DR-2361
LSWT	- *ING GEAR LOADS TE	*8R5V8W127X9	*OBJECTIVE WAS TO	*PRESSURE	*0.17 -	*NRLAD -	*ELL INTERNATIONAL	*VOLUME 01
768	/*ST USING A 0.0405*		*VERIFY ORBITER LA			*LOW SPEED WIND	*D.W.HERSEY	*OCT., 1977
OA163B	--SCALE MODEL (16--		*NDING GEAR SYSTEM*			*TUNNEL	*G. W. KLUG	
CR-151,370	*O) OF THE SPACE S*		*PRESSURE LOADING *				*-DMS	
	HUTTLE ORBITER IN		*AND HINGE MOMENT *					
	*THE ROCKWELL INT *		*LEVELS OBTAINED *					
	ERNATIONAL NAAL W		*DURING THE TEST P*					
	IND TUNNEL (OA163		*ERIOD OA163.					
	*B)							
	*							
NRLAD	- *RESULTS OF A LAND	*B68C12E55F10M16N2	*THE PRIMARY TEST	*FORCE	*0.0405 /	*ROCKWELL/	*R.C.MENNELL/ROCKW	*DMS-DR-2361
LSWT	- *ING GEAR LOADS TE	*8R5V8W127X9	*OBJECTIVE WAS TO	*PRESSURE	*0.17 -	*NRLAD -	*ELL INTERNATIONAL	*VOLUME 02
768	/*ST USING A 0.0405*		*VERIFY ORBITER LA			*LOW SPEED WIND	*D.W.HERSEY	*OCT., 1977
OA163B	--SCALE MODEL (16--		*NDING GEAR SYSTEM*			*TUNNEL	*G. W. KLUG	
CR-151,371	*O) OF THE SPACE S*		*PRESSURE LOADING *				*-DMS	
	HUTTLE ORBITER IN		*AND HINGE MOMENT *					
	*THE ROCKWELL INT *		*LEVELS OBTAINED *					
	ERNATIONAL NAAL W		*DURING THE TEST P*					
	IND TUNNEL (OA163		*ERIOD OA163.					
	*B)							
	*							
LARC	- *RESULTS OF FLUTTE	*55-O (FIN, RUDDER	*TO INVESTIGATE FL	*STRUCT-DYN	*0.14 /	*ROCKWELL/	*C. L. BERTHOLD/RI	*DMS-DR-2363
TDT	- *R TEST OS7 OBTAIN*)		*UTTER BOUNDARIES		*095 -	*LARC -	*F. RAUCH, G. COMM	*APRIL, 1977
246	/*ED USING THE 0.14*				*1911	*TRANSONIC DYNA	*ERFORD, T. FOLEY/	
OS7	--SCALE SPACE SHUT					*MICS TUNNEL	*GRUMMAN	
CR-151,057	*TLE ORBITER FIN/R*						*D. A. SARVER	
	UDDER MODEL NUMBE						*M. M. MOSER JR.	
	R 55-O IN THE NAS						*-DMS	
	A LARC 16-FOOT TR							
	*ANSONIC DYNAMICS *							
	*WIND TUNNEL							
	*							

[illegible]

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 97SWT 118-1 OA145B CR-160,529	*RESULTS OF AN INV* *ESTIGATION TO VER* /*IFY SHUTTLE ORBIT* *ER VEHICLE 102 * *AERO CHARACTERIST*	B75C16E64F16FD3FR* 22HG1M52N108N109N* 11ON111R20V27VT10* VT11VT12VT13VT14 * VT15VT16VT17W131	VERIFY ORBITER VE* HICLE 102 AERODYN* AMIC CHAR WITH RE* GARD TO: (1)BASIC* *STABILITY AND CON*	FORCE PRESSURE	*1.5 - *2.5	*ROCKWELL/ *ARC - *9-FOOT BY 7-FO* *OT SUPERSONIC * *WIND TUNNEL (U*	*R. H. MULFINGER/R* *OCKWELL INTERNATI* *ONAL SPACE DIVISI* *M. M. MANN *-DMS	*DMS-DR-2364 *VOLUME 03 *FEB., 1981
LARC TDT 246 OS6 CR-151,056	*RESULTS OF FLUTTE* *R TEST OS6 OBTAIN* /*ED USING THE 0.14* *-SCALE WING/ELEVO* *N MODEL (54-0) IN*	MODEL 54-0 TO DETERMINE FLUT* TER, BUFFET, AND * ELEVON BUZZ BOUND* *ARIES	STRUCT-DYN* *TER, BUFFET, AND * ELEVON BUZZ BOUND* *ARIES		*0.14 *0.3 - *1.1	/*LARC / *LARC - *TRANSONIC DYNA* *MICS TUNNEL	*G. SPENCER, JR./L* *ARC *M. M. MOSER JR. *-DMS	*DMS-DR-2365 *APRIL, 1977
AEDC HWTB 41B-83A OH25B CR-151,063	*HEAT TRANSFER PHA* *SE CHANGE PAINT T* /*ESTS OF 0.0175-SC* *ALE MODEL (NO. 56* *-O) OF THE ROCKWE*	*14OC (B17C7E22F5M* 4R5V7W103 TO INVESTIGATE EN* TRY AERODYNAMIC H* EATING EFFECTS	HEAT-TRANS* TRY AERODYNAMIC H* EATING EFFECTS		*0.0175 / *7.88 - *8.0	*ROCKWELL/ *AEDC - *HYPERSONIC WIN* *D TUNNEL (B)	*W. H. DYE/RI *L. L. TRIMMER/ARO* *D. A. SARVER *M. M. MOSER JR. *-DMS	*DMS-DR-2366 *MAY, 1977

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC HWTB V41B-K3A OH57A/B CR-151,773	*RESULTS OF A HIGH-ANGLE-OF-ATTACK AERO HEATING PRES SURE TEST ON A O.0175-SCALE MODEL (92-0) OF THE OV-102 CONFIGURATION SPACE SHUTTLE ORBITER IN THE AEDC VKF TUNNEL B (OH 57A/B)	*MODEL 91-0 ORBITER 102, DRWG VC-70-000002B	*OBTAIN STATIC PRESSURES ON UPPER AND LOWER WING SURFACES AND VERT. TAIL FOR FLOW FIELD DEFINITION	*HEAT-TRANS	*O.0175 / *7.94 - *8.0	*ROCKWELL / *AEDC - *HYPERSONIC WIND TUNNEL (B)	*PAUL LAMOINE/RI *J. L. GLYNN *J. E. VAUGHN	*DMS-DR-2367 *MAY, 1979
LARC CFHT 112 OH51 CR-151,058	*RESULTS OF PHASE CHANGE HEAT TRANSFER TEST OH51 USING O.006-SCALE SPACE SHUTTLE ORBITER MODELS 46-0 AND PARTIAL WING O.0175-SCALE MODEL 64-0 IN THE LARC 31-INCH CFHT	*MODELS 46-0, 64-0	*TO INVESTIGATE PHASE CHANGE HEAT TRANSFER EFFECTS ON ORBITER AND PARTIAL WING; WING TESTED WITH SHOCK GENERATOR AT VARIOUS POSITIONS	*HEAT-TRANS	*O.006 / *O.0175 - *10	*ROCKWELL / *LARC - *CONTINUOUS-FLOW WIND TUNNEL	*J. W. CUMMINGS/RI *D.W.HERSEY *M. M. MOSER JR.	*DMS-DR-2368 *APRIL, 1977
MSFC HRWT 039 SA31F CR-167,345	*AN AERODYNAMIC STABILITY WIND TUNNEL TEST OF A O.00856 SCALE MODEL OF THE SPACE SHUTTLE 146 INCH DIAMETER SOLID ROCKET BOOSTER REENTRY CONFIGURATION (MSFC MODEL 487) IN THE NASA/MSFC HIGH REYNOLDS NUMBER WIND TUNNEL	*SRB REENTRY CONFIGURATION	*TO OBTAIN AERODYNAMIC FORCE DATA OF SRB AT REENTRY MACH NUMBERS AND ATTITUDES	*FORCE	*0.4 - *0.9	*MSFC / *MSFC - *HIGH REYNOLDS NUMBER WIND TUNNEL	*G. W. WINKLER/I *V. W. SPARKS *M. M. MOSER JR.	*DMS-DR-2369 *FEB., 1982

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *RESULTS OF TEST U*B70C9E44F9M16N28R*	DETERMINE FORCE/P*FORCE			*1.6	-	*ROCKWELL/	*E. CHEE/ROCKWELL	*DMS-DR-2370
97SWT	- *SING A O.030-SCAL*5V8W116(ORBITER)	*RESSURE DATA AT H*PRESSURE			*3.5		*ARC	- *INTERNATIONAL	*VOLUME 01
115-1	/*E PRESSURE LOADS *	*IGH ALPHA/BETA CO*			*		*9-FOOT BY 7-FO*	J. MARROQUIN/ROCK*	APRIL, 1980
87SWT	- *SPACE SHUTTLE ORB*	*MBINATIONS FOR *			*		*OT SUPERSONIC *	*WELL INTERNATIONAL*	
115-1	/*ITER MODEL (47-0)*	*MACH RANGE 1.6 TO*			*		*WIND TUNNEL (U*L		
0A149B/C	*IN THE NASA/ARC *	*3.5			*		*NITARY)	*M. M. MANN	
CR-151,790	*UNITARY PLAN WIND*	*			*		*8-FOOT BY 7-FO*-DMS		
	*TUNNEL	*			*		*OT SUPERSONIC *		
	*	*			*		*WIND TUNNEL (U*		
	*	*			*		*NITARY)		
	*	*			*		*		
ARC	- *RESULTS OF TEST U*B70C9E44F9M16N28R*	DETERMINE FORCE/P*FORCE			*1.6	-	*ROCKWELL/	*E. CHEE/ROCKWELL	*DMS-DR-2370
97SWT	- *SING A O.030-SCAL*5V8W116(ORBITER)	*RESSURE DATA AT H*PRESSURE			*3.5		*ARC	- *INTERNATIONAL	*VOLUME 02
115-1	/*E PRESSURE LOADS *	*IGH ALPHA/BETA CO*			*		*9-FOOT BY 7-FO*	J. MARROQUIN/ROCK*	APRIL, 1980
87SWT	- *SPACE SHUTTLE ORB*	*MBINATIONS FOR *			*		*OT SUPERSONIC *	*WELL INTERNATIONAL*	
115-1	/*ITER MODEL (47-0)*	*MACH RANGE 1.6 TO*			*		*WIND TUNNEL (U*L		
0A149B/C	*IN THE NASA/ARC *	*3.5			*		*NITARY)	*M. M. MANN	
CR-151,791	*UNITARY PLAN WIND*	*			*		*8-FOOT BY 7-FO*-DMS		
	*TUNNEL	*			*		*OT SUPERSONIC *		
	*	*			*		*WIND TUNNEL (U*		
	*	*			*		*NITARY)		
	*	*			*		*		
ARC	- *RESULTS OF TEST U*B70C9E44F9M16N28R*	DETERMINE FORCE/P*FORCE			*1.6	-	*ROCKWELL/	*E. CHEE/ROCKWELL	*DMS-DR-2370
97SWT	- *SING A O.030-SCAL*5V8W116(ORBITER)	*RESSURE DATA AT H*PRESSURE			*3.5		*ARC	- *INTERNATIONAL	*VOLUME 03
115-1	/*E PRESSURE LOADS *	*IGH ALPHA/BETA CO*			*		*9-FOOT BY 7-FO*	J. MARROQUIN/ROCK*	MAY, 1980
87SWT	- *SPACE SHUTTLE ORB*	*MBINATIONS FOR *			*		*OT SUPERSONIC *	*WELL INTERNATIONAL*	
115-1	/*ITER MODEL (47-0)*	*MACH RANGE 1.6 TO*			*		*WIND TUNNEL (U*L		
0A149B/C	*IN THE NASA/ARC *	*3.5			*		*NITARY)	*M. M. MANN	
CR-151,792	*UNITARY PLAN WIND*	*			*		*8-FOOT BY 7-FO*-DMS		
	*TUNNEL	*			*		*OT SUPERSONIC *		
	*	*			*		*WIND TUNNEL (U*		
	*	*			*		*NITARY)		
	*	*			*		*		

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
JSC	- *RESULTS OF BASE H*ORBITER VEHICLE	1*TO MEASURE HEAT T*HEAT-TRANS	*0.04	/	*ROCKWELL/	*W. P. GARTON/RI	*DMS-DR-2371	
56-A-76	/*EATING TESTS ON A*O2	*RANSFER RATES AND*			*JSC	*J. E. VAUGHN	*MAY, 1978	
OH78	*O.04 SCALE SPACE *	*PRESSURE DISTRIB *				*-DMS		
CR-151,408	*SHUTTLE ORBITER *	*UTIONS ABOUT THE *						
	BASE (MODEL 65-O)	*BASE OF THE ORBIT*						
	*IN THE NASA/JSC *	*ER VEHICLE DURING*						
	THERMAL VACUUM CH	*SECOND STAGE ASC *						
	*AMBER A *	*ENT *						
AEDC	- *RESULTS OF HEAT T*OTS	*TO OBTAIN ET AND *HEAT-TRANS	*3.01 -		*ROCKWELL/	*W. H. DYE /RI	*DMS-DR-2372	
SWTA	- *RANSFER TESTS OF *TANK ALONE	*SRB AERODYNAMIC H*	*4.02		*AEDC	*E. C. ALLEN	*NOV., 1981	
V41A-R2A	/*A 0.0175-SCALE SP*LEFT SRB ALONE	*EAT TRANSFER DATA*			*SUPERSONIC WIN*	*S. R. HOULIHAN		
IH72	*ACE SHUTTLE INTEG*RIGHT SRB ALONE	*ON THE SPACE SHU *			*D TUNNEL (A)	*C. R. EDWARDS		
CR-160,843	*RATED VEHICLE MOD*	*TTLE INTEGRATED V*				*-DMS		
	*EL 60-OTS IN THE *	*EHICLE DURING LAU*						
	AEDC-VKF TUNNEL A	*NCH CONDITIONS *						
	*(IH72) *	* *						
LARC	- *EFFECT OF TAILCON*LARC BUILT MODEL	*VERIFY MONLINEARI*FORCE	*0.4 -		*LARC /	*BERNARD SPENCER,	*DMS-DR-2373	
8TPT	- *E CUT-OFF AND STI*201-O 0.030 SCALE	*TIES AND DETERMIN*	*0.6		*LARC	*JR./ NASA LARC	*MARCH, 1981	
769	/*NG CONFIGURATION *SSV ORBITER WITH	*E REASON DIFFEREN*			*8-FOOT TRANSON*	*GEORGE M. WARE/NA*		
LA99	*ON THE AERODYNAMI*REMOTE ELEVONS	*CES NOTED BETWEEN*			*IC PRESSURE TU*	*SA/LARC		
CR-160,821	*C CHARACTERISTICS*	*DATA OF TESTS OA1*			*NNEL	*G. G. MCDONALD		
	*OF A 0.030 SCALE *	*75 AND LA89. RUDD*				*-DMS		
	(REMOTELY CONTROL	*ER AND BODYFLAP C*						
	LED ELEVON, BODYF	*ONTROL EFFECTIVEN*						
	LAP AND RUDDER) M	*ESS FOR ALT CONDI*						
	ODEL 201-O ALT OR	*TIONS WERE DETERM*						
	BITER TESTED IN T	*INED AS WELL AS C*						
	HE NASA/LARC 8-FO	*ONTROL DEFLECTION*						
	*OT TPT (LA99) *	*EFFECTS ON STABIL*						
	* *	*ITY *						
	* *	* *						

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL *MACH RANGE	SCALE* *TESTING AGENCY	*COGNIZANT *TEST DMS PERSONNEL	*BASIC *PUBLICATIONS *OR COMMENTS
CALSPAN 8TWT	- *INVESTIGATIONS IN *THE CALSPAN 8-FO	*B20F4M16W87E19V5R *5TC4	*TO DETERMINE STIN *G-TARE EFFECTS FO	*FORCE	*0.0165 / *0.3-	*LARC / *CALSPAN -	*B. SPENCER/LARC *G.M. WARE/LARC	*DMS-DR-2374 *OCT., 1982
T18-111	/*OT TRANSONIC WIND		*R THE ORBITER WIT		*0.7	*8-FOOT TRANSON	*J. E. VAUGHN	*
T18-113	/*TUNNEL TO DETERM		*H TAILCONE			*IC WIND TUNNEL	*B. J. BURST	*
LA82	*INE STING-TARE EF						*-DMS	*
LA103	*FECTS ON A MODIFI							*
CR-167,372	*ED 0.0165-SCALE S							*
	*PACE SHUTTLE ORBI							*
	*TER MODEL WITH A							*
	*TAILCONE (LA82/LA							*
	*103)							*
	*							*
ARC 40SWT	- *RESULTS OF AIR DA *TA SYSTEM CALIBRA	*ORBITER VEHICLE *02 FOREBODY	*OBTAIN ORBITER AI *R DATA SYSTEM LOW	*FORCE	*00.11- *0.27	*ROCKWELL/ *ARC -	*R.R.BURROW/RI *R.L.MAKI/ARC	*DMS-DR-2375 *DEC., 1980
500	/*TION TEST USING T		*-SPEED CALIBRATIO			*40-FOOT BY 80-	*W. B. MEINDERS	*
0A237	*HE 0.10-SCALE SPA		*N; DEMONSTATE THA			*FOOT SUBSONIC	*-DMS	*
CR-160,530	*CE SHUTTLE ORBIT		*T FOREBODY MODEL			*WIND TUNNEL		*
	*R VEHICLE 102 FOR		*WILL PROVIDE FULL					*
	*EBODY MODEL 99-0		*ORBIT FLOW FIEL					*
	*IN THE NASA 40 X		*D SIMULATION AT T					*
	*80-FOOT SUBSONIC		*HE AIR DATA PROBE					*
	*WIND TUNNEL (0A23		*S; DEMONSTRATE TH					*
	*7)		*AT PREDICTED BLOC					*
	*		*KAGE INFLUENCE ON					*
	*		*PROBE FOR THE NA					*
	*		*AL TUNNEL IS VALI					*
	*		*D					*
	*							*
ARC 11TWT	- *RESULTS OF TEST U *SING A 0.030-SCAL	*B70C9E44F9M16N28R *5V8W116(ORBITER)	*DETERMINE FORCE/P *RESSURE DATA AT H	*FORCE	*0.6 - *1.4	*ROCKWELL/ *ARC -	*E. CHEE/ROCKWELL *INTERNATIONAL	*DMS-DR-2376 *VOLUME 01
115	/*E PRESSURE LOADS		*IGH ALPHA/BETA CO			*11-FOOT TRANSO	*J. MARROQUIN/ROCK	*JAN., 1980
0A149A	*SPACE SHUTTLE ORB		*MBINATIONS FOR			*NIC WIND TUNNE	*WELL INTERNATIONAL	*
CR-151,779	*ITER MODEL (47-0)		*MACH RANGE 0.6 TO			*L (UNITARY)	*T	*
	*IN THE NASA/ARC		*1.4				*L. L. MULKEY	*
	*UNITARY PLAN WIND						*M. M. MANN	*
	*TUNNEL						*-DMS	*
	*							*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *RESULTS OF TEST U*B70C9E44F9M16N28R*	DETERMINE FORCE/P*FORCE			*0.6 -	*ROCKWELL/	*E. CHEE/ROCKWELL	*DMS-DR-2376
11TWT	- *SING A O.030-SCAL*5V8W116(ORBITER)	*RESSURE DATA AT H*PRESSURE			*1.4	*ARC	*INTERNATIONAL	*VOLUME 02
115	/*E PRESSURE LOADS *	*IGH ALPHA/BETA CO*			*	*11-FOOT TRANSO*	*J. MARROQUIN/ROCK*	*JAN., 1980
OA149A	*SPACE SHUTTLE ORB*	*MBINATIONS FOR *			*	*NIC WIND TUNNE*	*WELL INTERNATIONAL*	
CR-151,780	*ITER MODEL (47-O)*	*MACH RANGE 0.6 TO*			*	*L (UNITARY)	*L	
	*IN THE NASA/ARC *	*1.4			*	*	*T. L. MULKEY	
	UNITARY PLAN WIND	*			*	*	*M. M. MANN	
	*TUNNEL	*			*	*	*-DMS	
	*	*			*	*	*	
ARC	- *RESULTS OF TEST U*B70C9E44F9M16N28R*	DETERMINE FORCE/P*FORCE			*0.6 -	*ROCKWELL/	*E. CHEE/ROCKWELL	*DMS-DR-2376
11TWT	- *SING A O.030-SCAL*5V8W116(ORBITER)	*RESSURE DATA AT H*PRESSURE			*1.4	*ARC	*INTERNATIONAL	*VOLUME 03
115	/*E PRESSURE LOADS *	*IGH ALPHA/BETA CO*			*	*11-FOOT TRANSO*	*J. MARROQUIN/ROCK*	*JAN., 1980
OA149A	*SPACE SHUTTLE ORB*	*MBINATIONS FOR *			*	*NIC WIND TUNNE*	*WELL INTERNATIONAL*	
CR-151,781	*ITER MODEL (47-O)*	*MACH RANGE 0.6 TO*			*	*L (UNITARY)	*L	
	*IN THE NASA/ARC *	*1.4			*	*	*T. L. MULKEY	
	UNITARY PLAN WIND	*			*	*	*M. M. MANN	
	*TUNNEL	*			*	*	*-DMS	
	*	*			*	*	*	
ARC	- *RESULTS OF TESTS *O - 140A/B/C/R	*THE TEST OBJECTIV*FORCE			*0.01 /	*ROCKWELL/	*P.J. HAWTHORNE, R*	*DMS-DR-2377
11TWT	- *OF THE O.010 SCAL*SRB - MODIFIED VE*ES WERE TO OBTAIN*				*.60 -	*ARC	*. SPANGLER /RI	*VOLUME 01
228-1	/*E SPACE SHUTTLE I*HICLE 5	*INDIVIDUAL COMPO *			*1.40	*11-FOOT TRANSO*	*J.J. BROWNSON /AR*	*APRIL, 1982
IA144	*NTEGRATED VEHICLE*T - MODIFIED VEHI*NENT LOADS, ELEVO*				*	*NIC WIND TUNNE*	*C	
CR-167,342	*IN THE NASA/AMES *CLE 5	*N HINGE MOMENT DA*			*	*L (UNITARY)	*D.W.HERSEY	
	*RESEARCH CENTER *	*TA,AND THE EFFECT*			*	*	*G. W. KLUG	
	11X11 FOOT TRANSO	*S OF SEALING THE *			*	*	*-DMS	
	*NIC WIND TUNNEL, *	*METRIC WING GAP O*			*	*	*	
	MODEL 72-OTS TEST	*N COMPONENT LOADS*			*	*	*	
	*IA144	*			*	*	*	
	*	*			*	*	*	
ARC	- *RESULTS OF TESTS *O - 140A/B/C/R	*THE TEST OBJECTIV*FORCE			*0.01 /	*ROCKWELL/	*P.J. HAWTHORNE, R*	*DMS-DR-2377
11TWT	- *OF THE O.010 SCAL*SRB - MODIFIED VE*ES WERE TO OBTAIN*				*.60 -	*ARC	*. SPANGLER /RI	*VOLUME 02
228-1	/*E SPACE SHUTTLE I*HICLE 5	*INDIVIDUAL COMPO *			*1.40	*11-FOOT TRANSO*	*J.J. BROWNSON /AR*	*APRIL, 1982
IA144	*NTEGRATED VEHICLE*T - MODIFIED VEHI*NENT LOADS, ELEVO*				*	*NIC WIND TUNNE*	*C	
CR-167,343	*IN THE NASA/AMES *CLE 5	*N HINGE MOMENT DA*			*	*L (UNITARY)	*D.W.HERSEY	
	*RESEARCH CENTER *	*TA,AND THE EFFECT*			*	*	*G. W. KLUG	
	11X11 FOOT TRANSO	*S OF SEALING THE *			*	*	*-DMS	
	*NIC WIND TUNNEL, *	*METRIC WING GAP O*			*	*	*	
	MODEL 72-OTS TEST	*N COMPONENT LOADS*			*	*	*	
	*IA144	*			*	*	*	
	*	*			*	*	*	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT 412-1 IA191 CR-160,820	*RESULTS OF AN INV* *ESTIGATION OF STA* /*TIC AND DYNAMIC P* *RESSURE DISTRIBUT* *IONS ON EXTERNAL * *TANK PROTUBERANCE* *S IN THE 11-FOOT * *LEG OF THE NASA/A* *RC UNITARY PLAN W* *IND TUNNEL (IA191* *)	*MODEL 112-T	*DETERMINE PRESSUR* *ES ON AN ARRAY OF* *ROUND AND RECTAN * *GULAR PIPES IN TH* *E PRESENCE OF A F* *LAT PLATE REPRESE* *NTING LO2 FEEDLIN* *E, GO2 PRESSURE L* *INE,LO2 ANTIGEYSE* *R LINE AND CABLE * *TRAY AT VARIOUS C* *ROSS FLOW ANGLES-* *TO ALSO DETERMIN * *E DYNAMIC ENVIRON* *MENT AROUND THE S* *AME ARRAY.	*FORCE	*0.25, *0.75/ *0.4- *1.0	*ROCKWELL/ *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY)	*R.H.SPANGLER, J.M* *ARROQUIN, M.E.NIC* *HOLS/R.I. * *J.C.MONFORT, R.R.* *ELLINGTON/ARC * *S. R. HOULIHAN * *G. W. KLUG * *-DMS *	*DMS-DR-2378 *MARCH, 1981
ARC 11TWT 118-1 OA145A CR-151,801	*RESULTS OF AN INV* *ESTIGATION TO VER* /*IFY SHUTTLE ORBIT* *ER VEHICLE 102 * *AERO CHARACTERIST* *ICS UTILIZING AN * *.05-SCALE HI-FIDE* *LITY REMOTE * *CONTROL MODEL.(39* *-O) IN THE AMES R* *ESEARCH CENTER UN* *ITARY WIND TUNNEL* *(OA145A	*B75C16E64F16FD3FR* *22HG1M52N108N109N* *11ON111R20V27VT10* *VT11VT12VT13VT14 * *VT15VT16VT17W131 * *GARD TO: (1)BASIC* *STABILITY AND CON* *TROL(2)CONTROL SU* *RFACE HINGE MOMEN* *TS(3)REYNOLDS * *NUMBER EFFECTS(4)* *HYSTERESIS AND CO* *NTROL SURFACE INT* *ERATIONS(5) * *PROPOSED INBOARD/* *OUTBOARD ELEVON I* *INTERACTION MATH M* *ODEL	*FORCE	*0.6 - *1.4	*ROCKWELL/ *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY)	*R. H. MULFINGER/R* *OCKWELL INTERNATI* *ONAL SPACE DIVISI* *M. M. MANN * *-DMS *	*DMS-DR-2380 *VOLUME 01 *DEC., 1980	

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL *MACH	SCALE RANGE	TESTING AGENCY	*COGNIZANT TEST DMS PERSONNEL	*BASIC PUBLICATIONS OR COMMENTS
ARC 111TWT 118-1 OA145A CR-151,802	- *RESULTS OF AN INV*22HG1M52N108N109N*HICLE 102 AERODYN*PRESSURE	*B75C16E64F16FD3FR*VERIFY ORBITER VE*FORCE	*VERIFICATION TO VER*22HG1M52N108N109N*HICLE 102 AERODYN*PRESSURE	*FORCE	*0.6 - *1.4	-	*ROCKWELL/ *ARC	*R. H. MULFINGER/R* *OCKWELL INTERNATI*	*DMS-DR-2380 *VOLUME 02
	/*IFY SHUTTLE ORBIT*11ON111R20V27VT10*AMIC CHAR WITH RE*	*11ON111R20V27VT10*AMIC CHAR WITH RE*	*WARD TO: (1)BASIC*				*11-FOOT TRANSO* *NIC WIND TUNNE*	*ONAL SPACE DIVISI*	*DEC., 1980
	*ER VEHICLE 102 *VT11VT12VT13VT14	*VT11VT12VT13VT14	*GARD TO: (1)BASIC*						
	*AERO CHARACTERIST*VT15VT16VT17W131	*VT15VT16VT17W131	*STABILITY AND CON*				*L (UNITARY)	*M. M. MANN	
	*ICS UTILIZING AN *		*TROL(2)CONTROL SU*					*-DMS	
	.05-SCALE HI-FIDE		*RFACE HINGE MOMEN*						
	*LITY REMOTE		*TS(3)REYNOLDS						
	CONTROL MODEL (39		*NUMBER EFFECTS(4)*						
	-O) IN THE AMES R		*HYSTERESIS AND CO*						
	ESEARCH CENTER UN		*NTROL SURFACE INT*						
	ITARY WIND TUNNEL		*ER ACTIONS(5)						
	*(OA145A		*PROPOSED INBOARD/*						
	*		*OUTBOARD ELEVON I*						
	*		*INTERACTION MATH M*						
	*		*ODEL						
	*		*						
ARC 111TWT 118-1 OA145A CR-151,803	- *RESULTS OF AN INV*22HG1M52N108N109N*HICLE 102 AERODYN*PRESSURE	*B75C16E64F16FD3FR*VERIFY ORBITER VE*FORCE	*VERIFICATION TO VER*22HG1M52N108N109N*HICLE 102 AERODYN*PRESSURE	*FORCE	*0.6 - *1.4	-	*ROCKWELL/ *ARC	*R. H. MULFINGER/R* *OCKWELL INTERNATI*	*DMS-DR-2380 *VOLUME 03
	/*IFY SHUTTLE ORBIT*11ON111R20V27VT10*AMIC CHAR WITH RE*	*11ON111R20V27VT10*AMIC CHAR WITH RE*	*WARD TO: (1)BASIC*				*11-FOOT TRANSO* *NIC WIND TUNNE*	*ONAL SPACE DIVISI*	*DEC., 1980
	*ER VEHICLE 102 *VT11VT12VT13VT14	*VT11VT12VT13VT14	*GARD TO: (1)BASIC*						
	*AERO CHARACTERIST*VT15VT16VT17W131	*VT15VT16VT17W131	*STABILITY AND CON*				*L (UNITARY)	*M. M. MANN	
	*ICS UTILIZING AN *		*TROL(2)CONTROL SU*					*-DMS	
	.05-SCALE HI-FIDE		*RFACE HINGE MOMEN*						
	*LITY REMOTE		*TS(3)REYNOLDS						
	CONTROL MODEL (39		*NUMBER EFFECTS(4)*						
	-O) IN THE AMES R		*HYSTERESIS AND CO*						
	ESEARCH CENTER UN		*NTROL SURFACE INT*						
	ITARY WIND TUNNEL		*ER ACTIONS(5)						
	*(OA145A		*PROPOSED INBOARD/*						
	*		*OUTBOARD ELEVON I*						
	*		*INTERACTION MATH M*						
	*		*ODEL						
	*		*						

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH	SCALE RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *RESULTS OF AN INV*B75C16E64F16FD3FR*VERIFY ORBITER VE*FORCE				*0.6	-	*ROCKWELL/	*R. H. MULFINGER/R*	DMS-DR-2380
11TWT	- *ESTIGATION TO VER*22HG1M52N108N109N*HICLE 102 AERODYN*PRESSURE				*1.4		*ARC	- *OCKWELL INTERNATI*	VOLUME 04
118-1	/*IFY SHUTTLE ORBIT*11ON111R2OV27VT10*AMIC CHAR WITH RE*				*			*11-FOOT TRANSO*ONAL SPACE DIVISI*	DEC., 1980
OA145A	*ER VEHICLE 102 *VT11VT12VT13VT14 *GARD TO: (1)BASIC*				*			*NIC WIND TUNNE*ON	
CR-151,804	*AERO CHARACTERIST*VT15VT16VT17W131 *STABILITY AND CON*				*			*L (UNITARY) *M. M. MANN	
	*ICS UTILIZING AN *				*			*-DMS	
	.05-SCALE HI-FIDE				*				
	*LITY REMOTE *				*				
	CONTROL MODEL (39				*				
	-O) IN THE AMES R				*				
	ESEARCH CENTER UN				*				
	ITARY WIND TUNNEL				*				
	*(OA145A				*				
	*				*				
	*				*				
	*				*				
	*				*				
ARC	- *RESULTS OF AN INV*B75C16E64F16FD3FR*VERIFY ORBITER VE*FORCE				*0.6	-	*ROCKWELL/	*R. H. MULFINGER/R*	DMS-DR-2380
11TWT	- *ESTIGATION TO VER*22HG1M52N108N109N*HICLE 102 AERODYN*PRESSURE				*1.4		*ARC	- *OCKWELL INTERNATI*	VOLUME 05
118-1	/*IFY SHUTTLE ORBIT*11ON111R2OV27VT10*AMIC CHAR WITH RE*				*			*11-FOOT TRANSO*ONAL SPACE DIVISI*	DEC., 1980
OA145A	*ER VEHICLE 102 *VT11VT12VT13VT14 *GARD TO: (1)BASIC*				*			*NIC WIND TUNNE*ON	
CR-151,805	*AERO CHARACTERIST*VT15VT16VT17W131 *STABILITY AND CON*				*			*L (UNITARY) *M. M. MANN	
	*ICS UTILIZING AN *				*			*-DMS	
	.05-SCALE HI-FIDE				*				
	*LITY REMOTE *				*				
	CONTROL MODEL (39				*				
	-O) IN THE AMES R				*				
	ESEARCH CENTER UN				*				
	ITARY WIND TUNNEL				*				
	*(OA145A				*				
	*				*				
	*				*				
	*				*				
	*				*				

[illegible]

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *RESULTS OF RCS JE*OV102 + ET (MODEL*TO OBTAIN INTERAC*FORCE				*0.0125 /	*ROCKWELL/	*J.J.DAILED + J.M	*DMS-DR-2384
HWTB	- *T PLUME INTERACTI*70-OT)		*TION EFFECTS OF R*		*5.89	*AEDC -	*ARROQUIN/RI	*VOLUME 01
TOA	/ *ON TESTS USING A *		*CS THRUSTER JET P*			*HYPERSONIC WIN*	*J. E. VAUGHN	*SEPT., 1978
IA148	*0.0125-SCALE MODE*		*LUMES ON SSV AERO*			*D TUNNEL (B)	*DMS	
CR-151,412	*L (70-OT) OF THE *		*DYNAMICS DURING S*					
	SPACE SHUTTLE VEH		*TAGING TO SIMULAT*					
	ICLE ORBITER IN T		*E A RETURN-TO-LAU*					
	HE AEDC VKF TUNNE		*NCH SITE (RTLS) A*					
	*L %B% (IA148) *		*BORT MISSION *					
AEDC	- *RESULTS OF RCS JE*OV102 + ET (MODEL*TO OBTAIN INTERAC*FORCE				*0.0125 /	*ROCKWELL/	*J.J.DAILED + J.M	*DMS-DR-2384
HWTB	- *T PLUME INTERACTI*70-OT)		*TION EFFECTS OF R*		*5.89	*AEDC -	*ARROQUIN/RI	*VOLUME 02
TOA	/ *ON TESTS USING A *		*CS THRUSTER JET P*			*HYPERSONIC WIN*	*J. E. VAUGHN	*SEPT., 1978
IA148	*0.0125-SCALE MODE*		*LUMES ON SSV AERO*			*D TUNNEL (B)	*DMS	
CR-151,413	*L (70-OT) OF THE *		*DYNAMICS DURING S*					
	SPACE SHUTTLE VEH		*TAGING TO SIMULAT*					
	ICLE ORBITER IN T		*E A RETURN-TO-LAU*					
	HE AEDC VKF TUNNE		*NCH SITE (RTLS) A*					
	*L %B% (IA148) *		*BORT MISSION *					
ARC	- *RESULTS OF TESTS *MODEL 53-O (ELEVON*TO EVALUATE EFFEC*HEAT-TRANS*0.111				/	*ROCKWELL/	*C. L. BERTHOLD/RI	*DMS-DR-2385
3.5HWT	- *ON A 0.111-SCALE *N/WING GAP)		*T OF ELEVON DEFLE*		*5.1 -	*ARC -	*D.W.HERSEY	*SEPT., 1977
173	/ *SPACE SHUTTLE VE*		*CTION, GAP GEOMET*		*5.1	*3.5-FOOT HYPER*	*M. M. MOSER JR.	
OH15	*HICLE SIMULATED E*		*RY, AND BOUNDARY *			*SONIC WIND TUN*	*DMS	
CR-151,366	*LEVON/WING GAP HE*		*LAYER STATE ON EL*			*NEL		
	AT TRANSFER MODEL		*EVON/WING GAP HEA*					
	*(53-O) IN THE AM *		*TING *					
	ES RESEARCH CENTE							
	*R 3.5-FOOT HWT *							
ARC	- *RESULTS OF TESTS *MODEL 53-O (ELEVON*TO EVALUATE EFFEC*HEAT-TRANS*0.111				/	*ROCKWELL/	*C. L. BERTHOLD/RI	*DMS-DR-2386
3.5HWT	- *ON A 0.111-SCALE *N/ELEVON GAP)		*T OF ELEVON DEFLE*		*5.1 -	*ARC -	*D.W.HERSEY	*SEPT., 1977
177	/ *SPACE SHUTTLE VEH*		*CTION, GAP GEOMET*		*5.1	*3.5-FOOT HYPER*	*M. M. MOSER JR.	
OH44	*ICLE SIMULATED EL*		*RY, AND BOUNDARY *			*SONIC WIND TUN*	*DMS	
CR-151,368	*EVON/ELEVON GAP H*					*NEL		
	EAT TRANSFER MODE							
	L (53-O) IN THE A							
	MES RESEARCH CENT							
	ER 3.5-FOOT HYPER							
	SONIC WIND TUNNEL							

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WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *RESULTS OF AN INV*B75C16E64F16FD3FR*VERIFY ORBITER VE*FORCE				*2.45 -	*ROCKWELL/	*R. H. MULFINGER/R*	DMS-DR-2389
87SWT	- *ESTIGATION TO VER*22HG1M52N108N109N*HICLE 102 AERODYN*PRESSURE				*3.5	*ARC	*OCKWELL INTERNATI*	VOLUME 02
118-1	/*IFY SHUTTLE ORBIT*11ON111R2OV27VT10*AMIC CHAR WITH RE*					*8-FOOT BY 7-FO*	ONAL SPACE DIVISI*	JUNE, 1981
OA145C	*ER VEHICLE 102 *VT11VT12VT13VT14	*GARD TO: (1)BASIC*				*OT SUPERSONIC *ON		
CR-160,811	*AERO CHARACTERIST*VT15VT16VT17W131	*STABILITY AND CON*				*WIND TUNNEL (U*M. M. MANN		
	*ICS UTILIZING AN *	*TROL(2)CONTROL SU*				*NITARY)	*-DMS	
	.05-SCALE HI-FIDE	*RFACE HINGE MOMEN*						
	*LITY REMOTE *	*TS(3)REYNOLDS *						
	CONTROL MODEL (39	*NUMBER EFFECTS(4)*						
	-O) IN THE AMES R	*HYSTERESIS AND CO*						
	ESEARCH CENTER UN	*NTROL SURFACE INT*						
	ITARY WIND TUNNEL	*ER ACTIONS(5) *						
	*(OA145C)	*PROPOSED INBOARD *						
	*	*ELEVON INTERACTIO*						
	*	*N MATH MODEL *						
	*	*						
ARC	- *RESULTS OF AN INV*B75C16E64F16FD3FR*VERIFY ORBITER VE*FORCE				*2.45 -	*ROCKWELL/	*R. H. MULFINGER/R*	DMS-DR-2389
87SWT	- *ESTIGATION TO VER*22HG1M52N108N109N*HICLE 102 AERODYN*PRESSURE				*3.5	*ARC	*OCKWELL INTERNATI*	VOLUME 03
118-1	/*IFY SHUTTLE ORBIT*11ON111R2OV27VT10*AMIC CHAR WITH RE*					*8-FOOT BY 7-FO*	ONAL SPACE DIVISI*	JUNE, 1981
OA145C	*ER VEHICLE 102 *VT11VT12VT13VT14	*GARD TO: (1)BASIC*				*OT SUPERSONIC *ON		
CR-160,812	*AERO CHARACTERIST*VT15VT16VT17W131	*STABILITY AND CON*				*WIND TUNNEL (U*M. M. MANN		
	*ICS UTILIZING AN *	*TROL(2)CONTROL SU*				*NITARY)	*-DMS	
	.05-SCALE HI-FIDE	*RFACE HINGE MOMEN*						
	*LITY REMOTE *	*TS(3)REYNOLDS *						
	CONTROL MODEL (39	*NUMBER EFFECTS(4)*						
	-O) IN THE AMES R	*HYSTERESIS AND CO*						
	ESEARCH CENTER UN	*NTROL SURFACE INT*						
	ITARY WIND TUNNEL	*ER ACTIONS(5) *						
	*(OA145C)	*PROPOSED INBOARD *						
	*	*ELEVON INTERACTIO*						
	*	*N MATH MODEL *						
	*	*						

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC UPWT 1194 LA101 CR-160,481	*LOW SUPERSONIC ST* *ABILITY AND CONTR* /*OL CHARACTERISTIC* *S OF A 0.0015-SCA* *LE (REMOTELY CONT* *ROLLED ELEVON) MO* *DEL 44-O SPACE SH* *UTTLE ORBITER TES* *TED IN THE NASA/L* *ARC 4 FOOT UPWT (* *LEG 1) (LA101) *	*MODEL 44 O SSV OR* *BITER WITH REMOTE* *CONTROLLED ELEVON* *RITY AND SENSITIV* *ITY TO MACH NUMBE* *R FOR FINE CUT SP* *EED BRAKE, BODY F* *LAP AND RUDDER DE* *FLECTIONS, INVEST* *IGATE INTERACTIVE* *EFFECTS OF MUTUA* *L CONTROL SURFACE* *DEFLECTIONS, AND* *OBTAIN OTHER CONT* *ROL SURFACE DATA *	*OBTAIN LOW SUPERS* *ONIC DATA ON CONT* *ROL SURFACE LINEA* *RITY AND SENSITIV* *ITY TO MACH NUMBE* *R FOR FINE CUT SP* *EED BRAKE, BODY F* *LAP AND RUDDER DE* *FLECTIONS, INVEST* *IGATE INTERACTIVE* *EFFECTS OF MUTUA* *L CONTROL SURFACE* *DEFLECTIONS, AND* *OBTAIN OTHER CONT* *ROL SURFACE DATA *	*FORCE	* 0.015 / *1.5 - *2.86	*LARC / *LARC - *UNITARY PLAN W* *IND TUNNEL	*BERNARD SPENCER, *JR./LARC *GEORGE M. WARE/NA* *SA *J. W. BALL *G. G. MCDONALD *-DMS	*DMS-DR-2390 *JUNE, 1980
LARC 8TPT 779 IA244 CR-167,346	*RESULTS OF TESTS * *OF THE 0.10 SCALE* /*SPACE SHUTTLE IN * *TEGRATED VEHICLE * *IN THE LANGLEY RE* *SEARCH CENTER 8-F* *OOT TRANSONIC PRE* *SSURE TUNNEL, MOD* *EL 72-OTS TEST IA* *244 *	*OTS - SINGLE STIN* *G IN ORBITER *OTS - ET AND SRB * *ON SEPERATE STING* *OTS - ATTACH STRU* *CTURE ON TANK ONL* *ERMINE THE EFFECT* *OF REYNOLDS NUMB* *ER ON ELEVON HING* *E MOMENTS.	*THE OBJECTIVESOF * *THIS TEST WAS TO * *OBTAIN ORBITER/ET* *ATTACH STRUCTURE * *LOADS AND TO DET * *ERMINE THE EFFECT* *OF REYNOLDS NUMB* *ER ON ELEVON HING* *E MOMENTS.	*FORCE	* 0.01 / *0.6 - *1.195	*ROCKWELL/ *LARC - *8-FOOT TRANSON* *IC PRESSURE TU* *NNEL *D.W.HERSEY *G. W. KLUG *-DMS	*P.J. HAWTHORNE, R* *SPANGLER /RI *DELMA C. FREEMAN */LARC *D.W.HERSEY *G. W. KLUG *-DMS	*DMS-DR-2391 *MARCH, 1982
NRLAD LSWT 775 OA250 CR-151,389	*GROUND PROXIMITY * *TESTS OF THE 0.03* /*-SCALE MODEL (45-* *O) SPACE SHUTTLE * *ORBITER IN THE RO* *CKWELL INTERNATIO* *NAL NAAL LOW SPEE* *D WIND TUNNEL *	*MODEL 45-O ORB, 1* *40A/B CONF. (MODI* *T.-DIRECT. STABIL* *ITY CHARACTERISTI* *CS IN GROUND PROX* *IMITY: TO INVESTI* *GATE DISCREPANCIE* *S IN LAT.-DIRECT* *DATA OBTAINED IN* *OTHER NAAL TESTS *	*TO DEFINE ORB. LA* *T.-DIRECT. STABIL* *ITY CHARACTERISTI* *CS IN GROUND PROX* *IMITY: TO INVESTI* *GATE DISCREPANCIE* *S IN LAT.-DIRECT* *DATA OBTAINED IN* *OTHER NAAL TESTS *	*FORCE	* 0.03 / *.20- *.20	*ROCKWELL/ *NRLAD - *LOW SPEED WIND* *TUNNEL *-DMS	*R. MENNELL/RI *J. E. VAUGHN *M. M. MOSER JR. *-DMS	*DMS-DR-2392 *DEC., 1977

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 3.5HWT 228-1 IH51A CR-167,679	*RESULTS OF SSV IN*OT FLAT PLATE *TERFERENCE HEATIN* /*G TESTS ON A 0.04* *-SCALE THIN-SKIN * *THERMOCOUPLE MODE* *L (58-OT) UTILIZI* *NG A SIMULATED EX* *TERNAL TANK & ORB* *ITER FOREBODY IN * *THE NASA/ARC 3.5-* *FOOT HYPERSONIC W* *IND TUNNEL (IH51A* *)	*TO OBTAIN AERODYN*HEAT-TRANS* *AMIC INTERFERENCE* *HEATING EFFECTS * *ON THE UPPER PORT* *ION OF THE SPACE * *SHUTTLE EXTERNAL * *TANK (ET) IN THE * *PRESENCE OF THE O* *RBITER FOREBODY &* *FORWARD ATTACH H * *ARDWARE	*O.04 / *ROCKWELL/ * 5.3 *ARC -	*C. L. BERTHOLD/RI* *P. L. LEMOINE/RI* *T. L. MULKEY * *G. W. KLUG *	*DMS-DR-2393 *VOLUME 01 *FEB., 1984			
ARC 3.5HWT 228-1 IH51A CR-167,680	*RESULTS OF SSV IN*OT FLAT PLATE *TERFERENCE HEATIN* /*G TESTS ON A 0.04* *-SCALE THIN-SKIN * *THERMOCOUPLE MODE* *L (58-OT) UTILIZI* *NG A SIMULATED EX* *TERNAL TANK & ORB* *ITER FOREBODY IN * *THE NASA/ARC 3.5-* *FOOT HYPERSONIC W* *IND TUNNEL (IH51A* *)	*TO OBTAIN AERODYN*HEAT-TRANS* *AMIC INTERFERENCE* *HEATING EFFECTS * *ON THE UPPER PORT* *ION OF THE SPACE * *SHUTTLE EXTERNAL * *TANK (ET) IN THE * *PRESENCE OF THE O* *RBITER FOREBODY &* *FORWARD ATTACH H * *ARDWARE	*O.04 / *ROCKWELL/ * 5.3 *ARC -	*C. L. BERTHOLD/RI* *P. L. LEMOINE/RI* *T. L. MULKEY * *G. W. KLUG *	*DMS-DR-2393 *VOLUME 02 *FEB., 1984			

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 3.5HWT 228-1 IH51A CR-167,681	- *RESULTS OF SSV IN*OT FLAT PLATE - *TERFERENCE HEATIN* /*G TESTS ON A 0.04* *-SCALE THIN-SKIN * *THERMOCOUPLE MODE* *L (58-OT) UTILIZI* *NG A SIMULATED EX* *TERNAL TANK & ORB* *ITER FOREBODY IN * *THE NASA/ARC 3.5-* *FOOT HYPERSONIC W* *IND TUNNEL (IH51A* *)	*TO OBTAIN AERODYN*HEAT-TRANS* *AMIC INTERFERENCE* *HEATING EFFECTS * *ON THE UPPER PORT* *ION OF THE SPACE * *SHUTTLE EXTERNAL * *TANK (ET) IN THE * *PRESENCE OF THE O* *RBITER FOREBODY &* *FORWARD ATTACH H * *ARDWARE * * * * * * *	*O.04 / *ROCKWELL/ * 5.3 *ARC - *3.5-FOOT HYPER*T. L. MULKEY *SONIC WIND TUN*G. W. KLUG *NEL --DMS	*C. L. BERTHOLD/RI *P. L. LEMOINE/RI *FEB., 1984	*DMS-DR-2393 *VOLUME 03 *			
ARC 3.5HWT 228-1 IH51A CR-167,682	- *RESULTS OF SSV IN*OT FLAT PLATE - *TERFERENCE HEATIN* /*G TESTS ON A 0.04* *-SCALE THIN-SKIN * *THERMOCOUPLE MODE* *L (58-OT) UTILIZI* *NG A SIMULATED EX* *TERNAL TANK & ORB* *ITER FOREBODY IN * *THE NASA/ARC 3.5-* *FOOT HYPERSONIC W* *IND TUNNEL (IH51A* *)	*TO OBTAIN AERODYN*HEAT-TRANS* *AMIC INTERFERENCE* *HEATING EFFECTS * *ON THE UPPER PORT* *ION OF THE SPACE * *SHUTTLE EXTERNAL * *TANK (ET) IN THE * *PRESENCE OF THE O* *RBITER FOREBODY &* *FORWARD ATTACH H * *ARDWARE * * * * * * *	*O.04 / *ROCKWELL/ * 5.3 *ARC - *3.5-FOOT HYPER*T. L. MULKEY *SONIC WIND TUN*G. W. KLUG *NEL --DMS	*C. L. BERTHOLD/RI *P. L. LEMOINE/RI *FEB., 1984	*DMS-DR-2393 *VOLUME 04 *			
LARC 8TPT 786 LA111 CR-151,394	- *EFFECT OF SILTS P*MODEL 44-0 (SILTS* - *OD ON THE TRANSON*POD) /*IC AERODYNAMIC CH* *ARACTERISTICS OF * *ITER RESULTING FR* *OM ADDITION OF SI* *LTS POD TO VERTIC* *L (44-0) TESTED I* *N THE NASA/LARC 8* *-FOOT TPT	*TO DETERMINE EF*FORCE *CT OF AERO. CHA* *CTERISTICS OF ORB* *ITER RESULTING FR* *OM ADDITION OF SI* *LTS POD TO VERTIC* *AL TAIL * * * * *	*O.015 / *LARC / *0.6 - *LARC - *1.20 *8-FOOT TRANSON*G. G. MCDONALD *IC PRESSURE TU*-DMS *NNEL	*G. WARE, B. SPENC* *ER, JR./RI *JAN., 1978	*DMS-DR-2395 *			

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC UPWT 1212 LA110 CR-151,393	- *EFFECT OF SILTS P*MODEL 44-O (SILTS*TO DETERMINE EFFE*FORCE - *OD ON THE LOW SUP*POD) /*ERSONIC AERODYNAM* *IC CHARACTERISTIC* *S OF A 0.015-SCAL* *E SHUTTLE ORBITER* *MODEL (44-O) TES* *TED IN THE NASA/L* *ARC 4-FOOT UPWT (* *LEG 1)				*0.015 / *LARC / *1.5 - *LARC - *2.5 *UNITARY PLAN W*G. G. MCDONALD		*G. WARE, B. SPENCER, JR./LARC *ER, JR./LARC *G. G. MCDONALD	*DMS-DR-2396 *DEC., 1977
LARC 8TPT 780 LA113 CR-167,347	- *RESULTS OF WIND T*O -140A/B/C/R - *UNNEL TESTS ON A *T -MODIFIED VEHIC*IS TEST WAS TO VE* /*0.010 SCALE MODEL*LE 5 *(72-OTS) ROCKWEL *S -MODIFIED VEHIC*ARLIER TESTS (IA2* *L SPACE SHUTTLE V*LE 5 *EHICLE IN THE LAR* *C 8-FOOT TRANSONI* *C PRESSURE TUNNEL* *(LA113)				*0.01 / *LARC / *9 - *LARC - *9 *8-FOOT TRANSON*ARC *IC PRESSURE TU*J. W. BALL *NNEL *G. W. KLUG *-DMS		*DELMA C. FREEMAN, *W.I. SCALLION /L *APRIL, 1982	
AEDC PWT16T 470 IA105A CR-160,850	- *RESULTS OF TESTS *B62C9E64W131M16N2*TO OBTAIN AERODYN*FORCE - *USING A 0.03 SCAL*8N112R5V8FD3F9 *AMIC LOADS ON ALL*PRESSURE /*E MODEL (47-OTS) *T39 *OF THE SPACE SHUT*S27 *TLE INTEGRATED VE* *HICLE IN THE AEDC* *16 FOOT TRANSONI* *C PROPULSION WIND* *TUNNEL (IA105A)				*0.03 / *ROCKWELL/ *0.6 - *AEDC - *1.55 *TRANSONIC PROP*S. R. HOULIHAN *ULSION WIND TU*G. W. KLUG *NNEL (PWT-16T)*-DMS		*R.H. SPANGLER/RI *L.P. LEBLANC/RI *L.P. LEBLANC/RI *S. R. HOULIHAN *G. W. KLUG	*DMS-DR-2398 *VOLUME 01 *NOV., 1981
AEDC PWT16T 470 IA105A CR-160,851	- *RESULTS OF TESTS *B62C9E64W131M16N2*TO OBTAIN AERODYN*FORCE - *USING A 0.03 SCAL*8N112R5V8FD3F9 *AMIC LOADS ON ALL*PRESSURE /*E MODEL (47-OTS) *T39 *OF THE SPACE SHUT*S27 *TLE INTEGRATED VE* *HICLE IN THE AEDC* *16 FOOT TRANSONI* *C PROPULSION WIND* *TUNNEL (IA105A)				*0.03 / *ROCKWELL/ *0.6 - *AEDC - *1.55 *TRANSONIC PROP*S. R. HOULIHAN *ULSION WIND TU*G. W. KLUG *NNEL (PWT-16T)*-DMS		*R.H. SPANGLER/RI *L.P. LEBLANC/RI *L.P. LEBLANC/RI *S. R. HOULIHAN *G. W. KLUG	*DMS-DR-2398 *VOLUME 02 *NOV., 1981

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC PWT16T 470 IA105A CR-160,852	- *RESULTS OF TESTS *B62C9E64W131M16N2*TO OBTAIN AERODYN*FORCE - *USING A 0.03 SCAL*BN112R5V8FD3F9 *AMIC LOADS ON ALL*PRESSURE /*E MODEL (47-OTS) *T39 *VEHICLE ELEMENTS * *OF THE SPACE SHUT*S27 *BY PRESSURE INTE * *TLE INTEGRATED VE *GRATION AND MEASU* *HICLE IN THE AEDC* *RE LOADS DIRECTLY* *16 FOOT TRANSONI *ON WING VERTICAL * *C PROPULSION WIND* *TAIL AND ELEVON * *TUNNEL (IA105A) *HINGE MOMENTS. *				*0.03 / *ROCKWELL/ *0.6 - *AEDC - *1.55 *TRANSONIC PROP*S. R. HOULIHAN * *ULSION WIND TU*G. W. KLUG * *NNEL (PWT-16T)*-DMS		*R.H.SPANGLER/RI *L.P.LEBLANC/RI *S. R. HOULIHAN *G. W. KLUG *-DMS	*DMS-DR-2398 *VOLUME 03 *NOV., 1981
LARC UPWT 1217 LA114 CR-151,388	- *EFFECT OF SILTS P*MODEL 44-O (SILTS*TO DETERMINE EFFE*FORCE - *OD ON THE HIGH SU*POD) *CT OF AERO. CHARA* /*PERSONIC AERODYNA* *CTERISTICS OF ORB* *MIC CHARACTERISTI* *ITER RESULTING FR* *CS OF A 0.015-SCA* *OM ADDITION OF SI* *LE SHUTTLE ORBITE* *LTS POD TO VERTIC* *R MODEL (44-O) TE* *AL TAIL *STED IN THE NASA/* *LARC 4-FOOT UPWT * *(LEG 2) *				*0.015 / *LARC / *3.0 - *LARC - *4.63 *UNITARY PLAN W*G. G. MCDONALD * *IND TUNNEL *-DMS		*G. WARE, B. SPENC* *ER,JR./LARC *G. G. MCDONALD *-DMS	*DMS-DR-2399 *NOV., 1977
LERC 10SWT 042 OA234 CR-160,518	- *RESULTS OF SSV OR*ORBITER VEHICLE 1*OBTAIN CALIBRATIO*FORCE - *BITER AIR DATA SY*O2 FOREBODY *NS OF 0.1 AND 0.2* /*STEM CALIBRATION * *-SCALE ROSEMOUNT * *TEST USING THE O.* *AIR DATA SYSTEM P* *10-SCALE ORBITER * *ROBES;MEASURE FOR* *FOREBODY MODEL 99* *EBODY FLUSH SURFA* *-O IN THE NASA/LE* *CE TAP PRESSURE D* *WIS 10 X 10-FOOT * *ISTRIBUTIONS AND * *SUPERSONIC WIND T* *RCS PORT PRESSURE* *UNNEL (OA234) * *S * *				*0.10 / *ROCKWELL/ *0.4 - *LERC - *2.7 *10 BY 10-FOOT *W. B. MEINDERS * *SUPERSONIC WIN*-DMS * *D TUNNEL *		*C.LOVELL/LERC *R.R.BURROWS/RI *W. B. MEINDERS *-DMS	*DMS-DR-2400 *OCT., 1980

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11,97,87-705-1	*AERONNOISE TEST RE*11-OTS (ORB, ET, *SULTS USING A O.O*2 SRB'S)		*TO MEASURE FLUCTU*PRESSURE		*O.040 /		*ROCKWELL/	*B. J. HERRERA, C.	*DMS-DR-2401
IS1A/B/C	*40-SCALE SPACE SH*		*ATING PRESSURE (A*		*06 -		*ARC -	*L. STEVENS/RI	*JAN., 1978
OS3	*UTTLE VEHICLE CON*		*ERONNOISE) ENVIRON*		*3.5		*11-FOOT, 9-FOO*	*D.W.HERSEY	
CR-151,395	*FIGURATION 2A MOD*		*MENT ON LAUNCH VE*		*		*T, 8-FOOT, UNI*	*M. M. MOSER JR.	
	EL (11-OTS) IN TH		*HICLE DURING TRAN*		*		*TARY WIND TUNN*	*DMS	
	E AMES RESEARCH C		*SONIC/SUPERSONIC *		*		*EL		
	ENTER UNITARY PLA		*ASCENT AND ORBITE*		*				
	*N WIND TUNNELS *		*R DURING SUPERSON*		*				
			*IC ENTRY		*				
					*				
NRLAD	*SYSTEM CHECKOUT O*B75C16F64F16FD3FR*		*CHECKOUT OF ALL M*FORCE		*O.24 -		*ROCKWELL/	*R. C. MENNEL/ROC	*DMS-DR-2402
LSWT	*F THE O.05-SCALE *22HG1M52N108N109N*		*MODEL CONTROL SURF*		*O.24		*NRLAD -	*KWEILL INTERNATIONAL*	*NOV., 1978
766	/*SPACE SHUTTLE VEH*11ON111R20V27VT10*		*ACE AND PRESSURE *		*		*LOW SPEED WIND*AL		
OA223	*ICLE ORBITER 102 *VT11VT12VT13VT14 *		*SYSTEMS AND		*		*TUNNEL	*D.W.HERSEY	
CR-151,763	*MODEL (39-O) IN T*VT15VT16VT17W131 *		*ESTABLISH THE OPE*		*			*M. M. MANN	
	HE NAAL LOW SPEED		*RATIONAL STATUS O*		*			*-DMS	
	*WIND TUNNEL(OA22 *		*F THE COMPLETE MO*		*				
	*3)		*DEL		*				
					*				
AEDC	*RESULTS OF TESTS *B75C16E64F16FR22H*		*TO OBTAIN FORCE A*FORCE		*O.3 -		*ROCKWELL/	*J. J. DAILED AND	*DMS-DR-2403
PWT16T	*USING A O.02-SCAL *G1M52N108N109N110*		*ND MOMENT DATA ON*		*1.55		*AEDC -	*J. MARROQUIN/ROC	*VOLUME 01
470	/*E MODEL (89-OTS) *N111R20U1V27V29VT*		*ALL VEHICLE ELEM *		*		*TRANSONIC PROP*	*KWEILL INTERNATIONAL*	*JAN., 1981
IA156A	*OF THE SPACE SHUT*10VT11VT14VT17W13*		*ENTS (ORBITER, EX*		*		*ULSION WIND TU*AL		
CR-160,515	*TLE INTEGRATED VE*1T39S27		*TERNAL TANK, AND		*		*NNEL (PWT-16T)*M. M. MANN		
	HICLE IN THE AEDC		*EACH SOLID ROCKET*		*			*-DMS	
	*16-FOOT TRANSONI *		*BOOSTER), WING A *		*				
	C PROPULSION WIND		*ND VERTICAL TAIL *		*				
	*TUNNEL (IA156A) *		*LOAD INDICATORS, *		*				
			ELEVON AND RUDDER		*				
			*HINGE MOMENTS, A *		*				
			*ND BASE-BODYFLAP *		*				
			*PRESSURE DATA *		*				
					*				

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC PWT16T 470 IA156A CR-160,516	- *RESULTS OF TESTS *B75C16E64F16FR22H*TO OBTAIN FORCE A*FORCE *USING A 0.02-SCAL*G1M52N108N109N110*ND MOMENT DATA ON* / *E MODEL (89-OTS) *N111R20U1V27V29VT*ALL VEHICLE ELEM *OF THE SPACE SHUT*10VT11VT14VT17W13*ENTS (ORBITER, EX* TLE INTEGRATED VE*1T39S27	*TERNAL TANK, AND *EACH SOLID ROCKET* *BOOSTER), WING A *ND VERTICAL TAIL *LOAD INDICATORS, *ELEVON AND RUDDER* *HINGE MOMENTS, A *ND BASE-BODYFLAP *PRESSURE DATA			*0.3 - *1.55	*ROCKWELL/ *AEDC *TRANSONIC PROP*KWELL INTERNATIONAL*ULSION WIND TU*AL *NNEL (PWT-16T)*M. M. MANN	*J. J. DAILED AND *J. MARROQUIN/ROC *DMS	*DMS-DR-2403 *VOLUME 02 *JAN., 1981
AEDC PWT16T 470 IA156A CR-160,517	- *RESULTS OF TESTS *B75C16E64F16FR22H*TO OBTAIN FORCE A*FORCE *USING A 0.02-SCAL*G1M52N108N109N110*ND MOMENT DATA ON* / *E MODEL (89-OTS) *N111R20U1V27V29VT*ALL VEHICLE ELEM *OF THE SPACE SHUT*10VT11VT14VT17W13*ENTS (ORBITER, EX* TLE INTEGRATED VE*1T39S27	*TERNAL TANK, AND *EACH SOLID ROCKET* *BOOSTER), WING A *ND VERTICAL TAIL *LOAD INDICATORS, *ELEVON AND RUDDER* *HINGE MOMENTS, A *ND BASE-BODYFLAP *PRESSURE DATA			*0.3 - *1.55	*ROCKWELL/ *AEDC *TRANSONIC PROP*KWELL INTERNATIONAL*ULSION WIND TU*AL *NNEL (PWT-16T)*M. M. MANN	*J. J. DAILED AND *J. MARROQUIN/ROC *DMS	*DMS-DR-2403 *VOLUME 03 *JAN., 1981
ARC 11TWT 275-1 IA119 CR-160,510	- *RESULTS OF TESTS *88-OTS-.02 SCALE *TO DETERMINE THE *FORCE *USING A 0.020-SCA*OF THE INTEGRATED*EFFECTS OF THE MA*PRESSURE / *LE MODEL (88-OTS)*SPACE SHUTTLE VE *IN PROPULSION SYS* *TEM (MPS) AND SOL* *ID ROCKET BOOSTER* * (SRB) PLUMES ON * *VEHICLE PRESSURE * *DISTRIBUTIONS, WI* *NG BENDING AND TO *RSION LOADS AND E* *LEVON HINGE MOMEN* *TS.				*.020 / *.6 - *1.40	*ROCKWELL/ *ARC *11-FOOT TRANSO*S. R. HOULIHAN *NIC WIND TUNNE*B. J. BURST *L (UNITARY) *DMS	*T.J. DZIUBALA,J. *STONE/RI	*DMS-DR-2404 *VOLUME 01 *OCT., 1980

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT 275-1 IA119 CR-160,511	- *RESULTS OF TESTS *88-OTS-.02 SCALE *USING A 0.020-SCA*OF THE INTEGRATED *LE MODEL (88-OTS)*SPACE SHUTTLE VE *OF THE SPACE SHU *HICLE *TTLE INTEGRATED V* *EHICLE JET PLUME * *IN THE NASA/ARC U* *PWT 11 X 11-FOOT * *LEC (TEST IA119) *	*88-OTS-.02 SCALE *OF THE INTEGRATED *SPACE SHUTTLE VE *HICLE	*TO DETERMINE THE *FORCE *EFFECTS OF THE MA*PRESSURE *IN PROPULSION SYS* *TEM (MPS) AND SOL* *ID ROCKET BOOSTER* *(SRB) PLUMES ON * *VEHICLE PRESSURE * *DISTRIBUTIONS, WI* *NG BENDING AND TO* *RSION LOADS AND E* *LEVON HINGE MOMEN* *TS.	*FORCE *PRESSURE	*.020 / *ROCKWELL/ *ARC - *1.40	*T.J. DZIUBALA,J. *STONE/RI *S. R. HOULIHAN *B. J. BURST *DMS	*DMS-DR-2404 *VOLUME 02 *OCT., 1980	
ARC 11TWT 275-1 IA119 CR-160,512	- *RESULTS OF TESTS *88-OTS-.02 SCALE *USING A 0.020-SCA*OF THE INTEGRATED *LE MODEL (88-OTS)*SPACE SHUTTLE VE *OF THE SPACE SHU *HICLE *TTLE INTEGRATED V* *EHICLE JET PLUME * *IN THE NASA/ARC U* *PWT 11 X 11-FOOT * *LEC (TEST IA119) *	*88-OTS-.02 SCALE *OF THE INTEGRATED *SPACE SHUTTLE VE *HICLE	*TO DETERMINE THE *FORCE *EFFECTS OF THE MA*PRESSURE *IN PROPULSION SYS* *TEM (MPS) AND SOL* *ID ROCKET BOOSTER* *(SRB) PLUMES ON * *VEHICLE PRESSURE * *DISTRIBUTIONS, WI* *NG BENDING AND TO* *RSION LOADS AND E* *LEVON HINGE MOMEN* *TS.	*FORCE *PRESSURE	*.020 / *ROCKWELL/ *ARC - *1.40	*T.J. DZIUBALA,J. *STONE/RI *S. R. HOULIHAN *B. J. BURST *DMS	*DMS-DR-2404 *VOLUME 03 *OCT., 1980	
ARC 11TWT 275-1 IA119 CR-160,513	- *RESULTS OF TESTS *88-OTS-.02 SCALE *USING A 0.020-SCA*OF THE INTEGRATED *LE MODEL (88-OTS)*SPACE SHUTTLE VE *OF THE SPACE SHU *HICLE *TTLE INTEGRATED V* *EHICLE JET PLUME * *IN THE NASA/ARC U* *PWT 11 X 11-FOOT * *LEC (TEST IA119) *	*88-OTS-.02 SCALE *OF THE INTEGRATED *SPACE SHUTTLE VE *HICLE	*TO DETERMINE THE *FORCE *EFFECTS OF THE MA*PRESSURE *IN PROPULSION SYS* *TEM (MPS) AND SOL* *ID ROCKET BOOSTER* *(SRB) PLUMES ON * *VEHICLE PRESSURE * *DISTRIBUTIONS, WI* *NG BENDING AND TO* *RSION LOADS AND E* *LEVON HINGE MOMEN* *TS.	*FORCE *PRESSURE	*.020 / *ROCKWELL/ *ARC - *1.40	*T.J. DZIUBALA,J. *STONE/RI *S. R. HOULIHAN *B. J. BURST *DMS	*DMS-DR-2404 *VOLUME 04 *OCT., 1980	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 12PT 218-1 OA101 CR-151,756	- *RESULTS OF A LOW *OV102 - *SPEED APPROACH AN* /*D LANDING EXPERIM* *ENTAL INVESTIGA- * *TION OF A 0.050-S*		*TO OBTAIN BASIC S*FORCE *TABILITY AND CONT*PRESSURE *ROL DATA FOR OV10* *2 ORBITER, DETERM* *INE INDIVIDUAL PA* *NEL HINGE MOMENTS* *, OBTAIN GROUND E* *FFECTS ON PITCH A* *ND LATERAL DIRECT* *IONAL STABILITY A* *ND CONTROL WITH L* *ANDING GEAR DEPLO* *YED, AND CALIBRAT* *E THE OV102 AIR D* *ATA SYSTEM (FLUSH* *STATIC TAPS)		* 0.050/ *O.25 - *O.40	*ROCKWELL/ *ARC - *12-FOOT PRESSU* *RE TUNNEL	*W.M. ZEMAN/RI, R.* *H. MULFINGER/RI, * *R.R. BURROWS/RI * *J.J. BROWNSON/NAS* *A-ARC, C.Q. ALLEN* */NASA-ARC *D.W.HERSEY *G. W. KLUG *-DMS	*DMS-DR-2405 *VOLUME 01 *SEPT., 1978
ARC 12PT 218-1 OA101 CR-151,757	- *RESULTS OF A LOW *OV102 - *SPEED APPROACH AN* /*D LANDING EXPERIM* *ENTAL INVESTIGA- * *TION OF A 0.050-S*		*TO OBTAIN BASIC S*FORCE *TABILITY AND CONT*PRESSURE *ROL DATA FOR OV10* *2 ORBITER, DETERM* *INE INDIVIDUAL PA* *NEL HINGE MOMENTS* *, OBTAIN GROUND E* *FFECTS ON PITCH A* *ND LATERAL DIRECT* *IONAL STABILITY A* *ND CONTROL WITH L* *ANDING GEAR DEPLO* *YED, AND CALIBRAT* *E THE OV102 AIR D* *ATA SYSTEM (FLUSH* *STATIC TAPS)		* 0.050/ *O.25 - *O.40	*ROCKWELL/ *ARC - *12-FOOT PRESSU* *RE TUNNEL	*W.M. ZEMAN/RI, R.* *H. MULFINGER/RI, * *R.R. BURROWS/RI * *J.J. BROWNSON/NAS* *A-ARC, C.Q. ALLEN* */NASA-ARC *D.W.HERSEY *G. W. KLUG *-DMS	*DMS-DR-2405 *VOLUME 02 *SEPT., 1978

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 12PT 218-1 OA101 CR-151,758	*RESULTS OF A LOW *OV102 *SPEED APPROACH AN* /*D LANDING EXPERIM* *ENTAL INVESTIGA- * *TION OF A 0.050-S*	*TO OBTAIN BASIC S*FORCE *TABILITY AND CONT*PRESSURE *ROL DATA FOR OV10* *2 ORBITER, DETERM* *INE INDIVIDUAL PA* *NEL HINGE MOMENTS* *, OBTAIN GROUND E* *FFECTS ON PITCH A* *ND LATERAL DIRECT* *IONAL STABILITY A* *ND CONTROL WITH L* *ANDING GEAR DEPLO* *YED, AND CALIBRAT* *E THE OV102 AIR D* *ATA SYSTEM (FLUSH* *STATIC TAPS)	*O.050/ *O.25 - *O.40	*ROCKWELL/ *ARC - *12-FOOT PRESSU* *RE TUNNEL	*W.M. ZEMAN/RI, R.* *H. MULFINGER/RI, * *R.R. BURROWS/RI * *J.J. BROWNSON/NAS* *A-ARC, C.Q. ALLEN* */NASA-ARC *D.W.HERSEY *G. W. KLUG *-DMS	*DMS-DR-2405 *VOLUME 03 *SEPT., 1978		
ARC 12PT 218-1 OA101 CR-151,759	*RESULTS OF A LOW *OV102 *SPEED APPROACH AN* /*D LANDING EXPERIM* *ENTAL INVESTIGA- * *TION OF A 0.050-S*	*TO OBTAIN BASIC S*FORCE *TABILITY AND CONT*PRESSURE *ROL DATA FOR OV10* *2 ORBITER, DETERM* *INE INDIVIDUAL PA* *NEL HINGE MOMENTS* *, OBTAIN GROUND E* *FFECTS ON PITCH A* *ND LATERAL DIRECT* *IONAL STABILITY A* *ND CONTROL WITH L* *ANDING GEAR DEPLO* *YED, AND CALIBRAT* *E THE OV102 AIR D* *ATA SYSTEM (FLUSH* *STATIC TAPS)	*O.050/ *O.25 - *O.40	*ROCKWELL/ *ARC - *12-FOOT PRESSU* *RE TUNNEL	*W.M. ZEMAN/RI, R.* *H. MULFINGER/RI, * *R.R. BURROWS/RI * *J.J. BROWNSON/NAS* *A-ARC, C.Q. ALLEN* */NASA-ARC *D.W.HERSEY *G. W. KLUG *-DMS	*DMS-DR-2405 *VOLUME 04 *SEPT., 1978		

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 12PT 218-1 OA101 CR-151,760	- *RESULTS OF A LOW *OV102 - *SPEED APPROACH AN* /*D LANDING EXPERIM* *ENTAL INVESTIGA- * *TION OF A 0.050-S* *CALE SPACE SHUTTL* *E ORBITER MODEL (* *39-0) IN THE NASA* */AMES RESEARCH CE* *NTER'S 12-FOOT PR* *ESSURE WIND TUNNE* *L (OA101)		*TO OBTAIN BASIC S*FORCE *TABILITY AND CONT*PRESSURE *ROL DATA FOR OV10* *2 ORBITER, DETERM* *INE INDIVIDUAL PA* *NEL HINGE MOMENTS* *, OBTAIN GROUND E* *FFECTS ON PITCH A* *ND LATERAL DIRECT* *IONAL STABILITY A* *ND CONTROL WITH L* *ANDING GEAR DEPLO* *YED, AND CALIBRAT* *E THE OV102 AIR D* *ATA SYSTEM (FLUSH* *STATIC TAPS)		* 0.050/ *0.25 - *0.40	*ROCKWELL/ *ARC - *12-FOOT PRESSU* *RE TUNNEL	*W.M. ZEMAN/RI, R.* *H. MULFINGER/RI, * *R.R. BURROWS/RI * *J.J. BROWNSON/NAS* *A-ARC, C.Q. ALLEN* */NASA-ARC *D.W.HERSEY *G. W. KLUG *-DMS	*DMS-DR-2405 *VOLUME 05 *SEPT., 1978
ARC 12PT 218-1 OA101 CR-151,761	- *RESULTS OF A LOW *OV102 - *SPEED APPROACH AN* /*D LANDING EXPERIM* *ENTAL INVESTIGA- * *TION OF A 0.050-S* *CALE SPACE SHUTTL* *E ORBITER MODEL (* *39-0) IN THE NASA* */AMES RESEARCH CE* *NTER'S 12-FOOT PR* *ESSURE WIND TUNNE* *L (OA101)		*TO OBTAIN BASIC S*FORCE *TABILITY AND CONT*PRESSURE *ROL DATA FOR OV10* *2 ORBITER, DETERM* *INE INDIVIDUAL PA* *NEL HINGE MOMENTS* *, OBTAIN GROUND E* *FFECTS ON PITCH A* *ND LATERAL DIRECT* *IONAL STABILITY A* *ND CONTROL WITH L* *ANDING GEAR DEPLO* *YED, AND CALIBRAT* *E THE OV102 AIR D* *ATA SYSTEM (FLUSH* *STATIC TAPS)		* 0.050/ *0.25 - *0.40	*ROCKWELL/ *ARC - *12-FOOT PRESSU* *RE TUNNEL	*W.M. ZEMAN/RI, R.* *H. MULFINGER/RI, * *R.R. BURROWS/RI * *J.J. BROWNSON/NAS* *A-ARC, C.Q. ALLEN* */NASA-ARC *D.W.HERSEY *G. W. KLUG *-DMS	*DMS-DR-2405 *VOLUME 06 *OCT., 1978

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC 14TWT 649 IA181 CR-167,348	*RESULTS OF AN EXP* *ERIMENTAL INVESTI* /*GATION IN THE NAS* *A/MSFC 14-INCH TR* *ISONIC WIND TUNNE*	B62,C12,E62,F10,M* 16,N28,R5,V8,W127* AT16,AT17,AT18,FL* 5,FL6,FL9,FR6,PT1* 3,PT14,PT20,T20	*TO OBTAIN PRESSUR* *E DATA IN THE NOS* *E REGION OF THE E* *TERNAL TANK	*FORCE	*.004 / * * 0.6- * * 1.25 *	*ROCKWELL/ *MSFC - *14-INCH TRISON* *IC WIND TUNNEL*-DMS	*W.P. GARTON/RI *J. E. VAUGHN *G. W. KLUG	*DMS-DR-2406 *JULY, 1982
	L ON A .004-SCALE *MODEL (74-OTS) S* *SLV TO DETERMINE* *INFLUENCE OF ORBI* *TER AND SRB'S ON* *TEH EXTERNAL TANK* *NOSE PRESSURE DI* *STRIBUTION (IA181* *)	PS7,S25						
ARC 3.5HWT 233-1 IH73 CR-167,374	*RESULTS OF M=5.3* *HEAT TRANSFER TES* /*TS ON THE SECOND* *STAGE SPACE SHUTT* *LE CONFIGURATION* *AT RTLS ABORT MIS* *SION PROFILE COND* *ITIONS USING THE* *O.006 SCALE MODEL* *50-O & 41-T IN T* *HE NASA/ARC 3.5-F* *OOT HWT (IH73)*	B22C7F5M4V7W111	*TO OBTAIN HYPERSO* *NIC HEATING DATA* *TO VERIFY ORBITER* */ET HEATING PREDI* *CTIONS FOR THE AS* *CENT RTLS ABORT M* *SSION PROFILE	*HEAT-TRANS* *O.006	*0.006 / * * 5.3 *	*ROCKWELL/ *ARC - *3.5-FOOT HYPER* *SONIC WIND TUN* *NEL *-DMS	*P.L. LEMDINE/RI *C.L. BERTHOLD/RI *D.W.HERSEY *G. W. KLUG	*DMS-DR-2407 *SEPT., 1982

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WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 97SWT 272 IA156B CR-160,500	- *RESULTS OF TESTS *B75C16E64F16FR22H*TO OBTAIN FORCE A*PRESSURE *USING A 0.02-SCAL*G1M52N108N109N110*ND MOMENT DATA ON*FORCE / *E MODEL (89-OTS) *N111R20U1V27V29VT*ALL VEHICLE ELEM *OF THE SPACE SHUT*10VT11VT14VT17W13*ENTS (ORBITER, EX* TLE INTEGRATED VE*1T39S27 *HICLE IN THE NASA * /AMES RESEARCH CE * NTER 9X7 FOOT SUP* *ERSONIC WIND TUNN* *EL (IA156B) *	*B75C16E64F16FR22H*TO OBTAIN FORCE A*PRESSURE *USING A 0.02-SCAL*G1M52N108N109N110*ND MOMENT DATA ON*FORCE / *E MODEL (89-OTS) *N111R20U1V27V29VT*ALL VEHICLE ELEM *OF THE SPACE SHUT*10VT11VT14VT17W13*ENTS (ORBITER, EX* TLE INTEGRATED VE*1T39S27 *HICLE IN THE NASA * /AMES RESEARCH CE * NTER 9X7 FOOT SUP* *ERSONIC WIND TUNN* *EL (IA156B) *	*TO OBTAIN FORCE A*PRESSURE *USING A 0.02-SCAL*G1M52N108N109N110*ND MOMENT DATA ON*FORCE / *E MODEL (89-OTS) *N111R20U1V27V29VT*ALL VEHICLE ELEM *OF THE SPACE SHUT*10VT11VT14VT17W13*ENTS (ORBITER, EX* TLE INTEGRATED VE*1T39S27 *HICLE IN THE NASA * /AMES RESEARCH CE * NTER 9X7 FOOT SUP* *ERSONIC WIND TUNN* *EL (IA156B) *	*ALL VEHICLE ELEM *ENTS (ORBITER, EX* TERNAL TANK, AND * EACH SOLID ROCKET * BOOSTER), WING A * ND VERTICAL TAIL * LOAD INDICATORS, * ELEVON AND RUDDER * HINGE MOMENTS, A * ND BASE-BODYFLAP * PRESSURE DATA *	*1.55 - *2.5 *	*ROCKWELL/ *ARC - *9-FOOT BY 7-FO* *WELL INTERNATIONAL *OT SUPERSONIC *AL *WIND TUNNEL (U* *M. M. MANN *NITARY) *--DMS *	*J. J. DAILED AND *J. MARROQUIN/ROC *JULY, 1980	*DMS-DR-2408 *VOLUME 03
LARC 8TPT 803 LA115 CR-160,842	- *ADDITIONAL TRANS*ORBITER *NIC STABILITY AND *CONTROL CHARACTE * RISTICS OF A 0.01* 5 SCALE(REMOTELY * CONTROLLED ELEVON* *) MODEL 44-O SPAC* *E SHUTTLE ORBITER* *TESTED IN THE NA * *SA/LARC 8-FOOT TP* *T (LA115) *	*ADDITIONAL TRANS*ORBITER *NIC STABILITY AND *CONTROL CHARACTE * RISTICS OF A 0.01* 5 SCALE(REMOTELY * CONTROLLED ELEVON* *) MODEL 44-O SPAC* *E SHUTTLE ORBITER* *TESTED IN THE NA * *SA/LARC 8-FOOT TP* *T (LA115) *	*NIC STABILITY AND *CONTROL CHARACTE * RISTICS OF A 0.01* 5 SCALE(REMOTELY * CONTROLLED ELEVON* *) MODEL 44-O SPAC* *E SHUTTLE ORBITER* *TESTED IN THE NA * *SA/LARC 8-FOOT TP* *T (LA115) *	*VERIFY STABILITY *FORCE *AND CONTROL INCRE* *MENTS DERIVED FRO* *M PREVIOUS TESTS * *SUBJECTED TO UNKN* *OWN BLOCKAGE AND * *SHOCK REFLECTION * *EFFECTS AND OBTAI* *N ADDITIONAL STAB* *ILITY AND CONTROL* *DATA *	*0.015 / *.6 - *1.2 *	*LARC / *LARC - *8-FOOT TRANS*ON *J. UNDERWOOD, JSC* *IC PRESSURE TU*B. J. BURST *NNEL *--DMS *	*B. SPENCER, JR., G. *M. WARE, LARC *J. UNDERWOOD, JSC* *B. J. BURST *--DMS *	*DMS-DR-2409 *SEPT., 1981
AEDC HWTB V41B-R3A OH56 CR-151,777	- *RESULTS OF THE NA*ORBITER WING TIP *SA/RI ORBITER WIN*(MODEL 91-O) *G TIP HEATING TES* *T WITH THE 0.08-S* *CALE ORBITER WING* *MODEL (91-O) IN * *THE AEDC VKF B HY* *PERSONIC WIND T * *UNNEL (OH56) *	*RESULTS OF THE NA*ORBITER WING TIP *SA/RI ORBITER WIN*(MODEL 91-O) *G TIP HEATING TES* *T WITH THE 0.08-S* *CALE ORBITER WING* *MODEL (91-O) IN * *THE AEDC VKF B HY* *PERSONIC WIND T * *UNNEL (OH56) *	*ORBITER WING TIP *SA/RI ORBITER WIN*(MODEL 91-O) *G TIP HEATING TES* *T WITH THE 0.08-S* *CALE ORBITER WING* *MODEL (91-O) IN * *THE AEDC VKF B HY* *PERSONIC WIND T * *UNNEL (OH56) *	*DETERMINE AERODYN*HEAT-TRANS* *AMIC HEATING TO T* *HE ORBITER WING L* *EADING EDGE *	*7.9 - *8.0 *	*ROCKWELL/ *AEDC - *HYPERSONIC WIN* *J. E. VAUGHN *D TUNNEL (B) *--DMS *	*J. W. FOUST/RI *D.W.HERSEY *J. E. VAUGHN *--DMS *	*DMS-DR-2410 *JUNE, 1979

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL SCALE MACH RANGE	TESTING AGENCY	*COGNIZANT TEST DMS PERSONNEL	*BASIC PUBLICATIONS OR COMMENTS
ARC 3.5HWT 234-1 IH90 CR-167,386	- *RESULTS OF HEAT T*60-OTS (B62C12E5*TO OBTAIN HEAT-TR*HEAT-TRANS* - *RANSFER TESTS ON *2F10M16R18V8W116T*ANSFER RATE DISTR* /*THE SPACE SHUTTLE*38S26) *INTEGRATED VEHIC * *LE, UNDER ASCENT * *CONDITIONS, USING* *THE 0.0175-SCALE * *60-OTS MODEL IN * *THE NASA/ARC 3.5-* *FOOT HWT (IH-90) *	*B62C12E5*TO OBTAIN HEAT-TR*HEAT-TRANS* *2F10M16R18V8W116T*ANSFER RATE DISTR* *IBUTIONS ON THE S* *PACE SHUTTLE INTE* *GRATED VEHICLE DU* *RING SIMULATED FI* *RST-STAGE CONDITI* *ONS FOR INTERMEDI* *ATE FLIGHT ATTITU* *DES	*TO OBTAIN HEAT-TR*HEAT-TRANS* *ANSFER RATE DISTR* *IBUTIONS ON THE S* *PACE SHUTTLE INTE* *GRATED VEHICLE DU* *RING SIMULATED FI* *RST-STAGE CONDITI* *ONS FOR INTERMEDI* *ATE FLIGHT ATTITU* *DES	*5.2- *5.2	*ROCKWELL/ *ARC - *3.5-FOOT HYPER* *SONIC WIND TUN* *NEL *DMS	*J.W. CUMMINGS, AR* *T OKUNO /RI *R.R. WATANABE/RI *S. R. HOULIHAN *G. W. KLUG *-DMS	*DMS-DR-2412 *VOLUME 01 *DEC., 1982	
ARC 3.5HWT 234-1 IH90 CR-167,387	- *RESULTS OF HEAT T*60-OTS (B62C12E5*TO OBTAIN HEAT-TR*HEAT-TRANS* - *RANSFER TESTS ON *2F10M16R18V8W116T*ANSFER RATE DISTR* /*THE SPACE SHUTTLE*38S26) *INTEGRATED VEHIC * *LE, UNDER ASCENT * *CONDITIONS, USING* *THE 0.0175-SCALE * *60-OTS MODEL IN * *THE NASA/ARC 3.5-* *FOOT HWT (IH-90) *	*B62C12E5*TO OBTAIN HEAT-TR*HEAT-TRANS* *2F10M16R18V8W116T*ANSFER RATE DISTR* *IBUTIONS ON THE S* *PACE SHUTTLE INTE* *GRATED VEHICLE DU* *RING SIMULATED FI* *RST-STAGE CONDITI* *ONS FOR INTERMEDI* *ATE FLIGHT ATTITU* *DES	*TO OBTAIN HEAT-TR*HEAT-TRANS* *ANSFER RATE DISTR* *IBUTIONS ON THE S* *PACE SHUTTLE INTE* *GRATED VEHICLE DU* *RING SIMULATED FI* *RST-STAGE CONDITI* *ONS FOR INTERMEDI* *ATE FLIGHT ATTITU* *DES	*5.2- *5.2	*ROCKWELL/ *ARC - *3.5-FOOT HYPER* *SONIC WIND TUN* *NEL *DMS	*J.W. CUMMINGS, AR* *T OKUNO /RI *R.R. WATANABE/RI *S. R. HOULIHAN *G. W. KLUG *-DMS	*DMS-DR-2412 *VOLUME 02 *DEC., 1982	
ARC 97SWT 242-1 IA105B CR-160,858	- *RESULTS OF TESTS *B62C9E64W131M16N2*THE OBJECTIVES WE*FORCE - *USING A 0.03 SCAL*BR5V8FD3F9 /*E MODEL (47-OTS) *T39S27 *OF THE SPACE SHUT* *TLE INTEGRATED VE* *HICLE IN THE NASA* */ARC 9X7 FOOT SUP* *ERSONIC WIND TUNN* *EL (IA105B) *	*B62C9E64W131M16N2*THE OBJECTIVES WE*FORCE *BR5V8FD3F9 *T39S27 *ALL VEHICLE ELEME* *NTS (O,T,S) BY PR* *ESSURE INTEGRATIO* *N AND TO MEASURE * *LOADS DIRECTLY BY* *LOAD INDICATORS * *ON THE WING, VERT* *ICAL TAIL AND ELE* *VONS	*THE OBJECTIVES WE*FORCE *TO OBTAIN AERO* *DYNAMIC LOADS ON * *ALL VEHICLE ELEME* *NTS (O,T,S) BY PR* *ESSURE INTEGRATIO* *N AND TO MEASURE * *LOADS DIRECTLY BY* *LOAD INDICATORS * *ON THE WING, VERT* *ICAL TAIL AND ELE* *VONS	*0.03/ *1.55- *2.50	*NRLAD / *ARC - *9-FOOT BY 7-FO* *OT SUPERSONIC *G. W. KLUG *WIND TUNNEL (U*-DMS *NITARY)	*R.H.SPANGLER/RI *L.P.LEBLANC/RI *S. R. HOULIHAN *G. W. KLUG *-DMS	*DMS-DR-2413 *VOLUME 01 *FEB., 1982	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 97SWT 242-1 IA105B CR-160,859	*RESULTS OF TESTS *B62C9E64W131M16N2* *USING A 0.03 SCAL*8R5V8FD3F9 /*E MODEL (47-OTS) *T39S27 *OF THE SPACE SHUT* *TLE INTEGRATED VE* *HICLE IN THE NASA* */ARC 9X7 FOOT SUP* *ERSONIC WIND TUNN* *EL (IA105B) *	*THE OBJECTIVES WE*FORCE *RE TO OBTAIN AERO* *DYNAMIC LOADS ON * *ALL VEHICLE ELEME* *NTS (O,T,S) BY PR* *ESSURE INTEGRATIO* *N AND TO MEASURE * *LOADS DIRECTLY BY* *LOAD INDICATORS * *ON THE WING, VERT* *ICAL TAIL AND ELE* *VONS *	*FORCE *BRATION OF THE SI* *DE-MOUNTED AIR DA* *TA PROBES AND * *THE NOSE BOOM-MOU* *NTED FT PROBE, I.* *E. DETERMINE LOCA* *L ANGLE OF ATTACK* *, MEASURE PROBE S* *TATIC PRESSURE ER* *ROR, AND DETERMIN* *E EFFECT OF PROBE* *SCALE *	*0.03/ *1.55- *2.50	*NRLAD / *ARC - *9-FOOT BY 7-FO*S. R. HOULIHAN *OT SUPERSONIC *G. W. KLUG *WIND TUNNEL (U*-DMS *NITARY) *	*R.H.SPANGLER/RI *L.P.LEBLANC/RI *S. R. HOULIHAN *G. W. KLUG	*DMS-DR-2413 *VOLUME 02 *FEB., 1982	
AEDC PWT16T 431 OA232 CR-160,484	*CALIBRATION TESTS*B74C16N108PR4PR7P* *OF THE SPACE SHU *R8PR14VT18VT19 /*TILE AIR DATA SYS*99-0 *TEM USING A 0.10-* *SCALE ORBITER FOR* *EBODY MODEL (99-0* *) IN THE AEDC 16T* *PROPULSION WIND * *TUNNEL (OA232) *	*TO PROVIDE A CALI*FORCE *BRATION OF THE SI* *DE-MOUNTED AIR DA* *TA PROBES AND * *THE NOSE BOOM-MOU* *NTED FT PROBE, I.* *E. DETERMINE LOCA* *L ANGLE OF ATTACK* *, MEASURE PROBE S* *TATIC PRESSURE ER* *ROR, AND DETERMIN* *E EFFECT OF PROBE* *SCALE *	*FORCE *BRATION OF THE SI* *DE-MOUNTED AIR DA* *TA PROBES AND * *THE NOSE BOOM-MOU* *NTED FT PROBE, I.* *E. DETERMINE LOCA* *L ANGLE OF ATTACK* *, MEASURE PROBE S* *TATIC PRESSURE ER* *ROR, AND DETERMIN* *E EFFECT OF PROBE* *SCALE *	*0.10/ *0.2 - *1.55	*NRLAD / *AEDC - *TRANSONIC PROP*T.J.DZIUBALA AND *ULSION WIND TU*R.R.BURROWS/ RI *NNEL (PWT-16T)*D.W.HERSEY *G. W. KLUG *-DMS *	*W.E.WHITE/ARO,INC *. AEDC DIVISION *T.J.DZIUBALA AND *R.R.BURROWS/ RI *D.W.HERSEY *G. W. KLUG *-DMS *	*DMS-DR-2414 *VOLUME 01 *MAY, 1980	
AEDC PWT16T 431 OA232 CR-160,485	*CALIBRATION TESTS*B74C16N108PR4PR7P* *OF THE SPACE SHU *R8PR14VT18VT19 /*TILE AIR DATA SYS*99-0 *TEM USING A 0.10-* *SCALE ORBITER FOR* *EBODY MODEL (99-0* *) IN THE AEDC 16T* *PROPULSION WIND * *TUNNEL (OA232) *	*TO PROVIDE A CALI*FORCE *BRATION OF THE SI* *DE-MOUNTED AIR DA* *TA PROBES AND * *THE NOSE BOOM-MOU* *NTED FT PROBE, I.* *E. DETERMINE LOCA* *L ANGLE OF ATTACK* *, MEASURE PROBE S* *TATIC PRESSURE ER* *ROR, AND DETERMIN* *E EFFECT OF PROBE* *SCALE *	*FORCE *BRATION OF THE SI* *DE-MOUNTED AIR DA* *TA PROBES AND * *THE NOSE BOOM-MOU* *NTED FT PROBE, I.* *E. DETERMINE LOCA* *L ANGLE OF ATTACK* *, MEASURE PROBE S* *TATIC PRESSURE ER* *ROR, AND DETERMIN* *E EFFECT OF PROBE* *SCALE *	*0.10/ *0.2 - *1.55	*NRLAD / *AEDC - *TRANSONIC PROP*T.J.DZIUBALA AND *ULSION WIND TU*R.R.BURROWS/ RI *NNEL (PWT-16T)*D.W.HERSEY *G. W. KLUG *-DMS *	*W.E.WHITE/ARO,INC *. AEDC DIVISION *T.J.DZIUBALA AND *R.R.BURROWS/ RI *D.W.HERSEY *G. W. KLUG *-DMS *	*DMS-DR-2414 *VOLUME 02 *MAY, 1980	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *RESULTS OF TESTS	*SSV 102 ORBITER C	*OBTAIN FORCE AND	*FORCE	* 0.02 /	*ROCKWELL/	*J.J.DAILED/ROCKW	*DMS-DR-2415
SWTA	- *USING A 0.02-SCAL	*ONFIGURATION MODE	*MOMENT DATA TO VE		*2.0 -	*AEDC -	*ELL	*VOLUME 01
V41B-P5A	/*E MODEL (105-0) O	*L 105-0	*RIFY THE ORBITER		*8.0	*SUPERSONIC WIN	*J.L.JORDAN/ARO,IN	*JAN., 1980
OA208/209	*F THE SPACE SHUTT		*STABILITY AND CON			*D TUNNEL (A)	*C	
CR-151,784	*LE VEHICLE ORBITE		*TROL CHARACTERIST				*G. G. MCDONALD	
	*R IN THE ARNOLD E		*ICS IN PITCH AND				*-DMS	
	*NGINEERING DEVELO		*YAW, AND VERIFY C					
	*PMENT CENTER VON		*ONTROL EFFECTIVEN					
	*KARMAN FACILITY S		*ESS AND TRIM LIM					
	*UPERSONIC TUNNEL		*TS IN THE MACH NU					
	*A (OA209) AND HYP		*MBER RANGE FROM 2					
	*ERSONIC TUNNEL B		*TO 8					
	*(OA208/209)							
AEDC	- *RESULTS OF TESTS	*SSV 102 ORBITER C	*OBTAIN FORCE AND	*FORCE	*0.02 /	*ROCKWELL/	*J.J.DAILED/ROCKW	*DMS-DR-2415
SWTA	- *USING A 0.02-SCAL	*ONFIGURATION MODE	*MOMENT DATA TO VE		*2.0 -	*AEDC -	*ELL	*VOLUME 02
V41A-P5A	/*E MODEL (105-0) O	*L 105-0	*RIFY THE ORBITER		*8.0	*SUPERSONIC WIN	*J.L.JORDAN/ARO,IN	*JAN., 1980
OA208/209	*F THE SPACE SHUTT		*STABILITY AND CON			*D TUNNEL (A)	*C	
CR-151,785	*LE VEHICLE ORBITE		*TROL CHARACTERIST				*G. G. MCDONALD	
	*R IN THE ARNOLD E		*ICS IN PITCH AND				*-DMS	
	*NGINEERING DEVELO		*YAW, AND VERIFY C					
	*PMENT CENTER VON		*ONTROL EFFECTIVEN					
	*KARMAN FACILITY S		*ESS AND TRIM LIM					
	*UPERSONIC TUNNEL		*TS IN THE MACH NU					
	*A (OA209) AND HYP		*MBER RANGE FROM 2					
	*ERSONIC TUNNEL B		*TO 8					
	*(OA208/209)							
	*							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC	- *RESULTS OF TESTS	*LBM	*TO OBTAIN 6-COMPO	*FORCE	* 0.004 /	*ROCKWELL/	*N.S. DOUGHERTY, A	*DMS-DR-2416
TWT	- *IN THE NASA/MSFC	*SSLV	*NENT FORCE & MOM		*.6 -	*MSFC	*.C. MANSFIELD/RI	*JUNE, 1981
668	/*14-INCH TRISONIC	*ORBITER	*NT DATA OF ELEMEN		*4.96	*TRISONIC WIND	*HUNTSVILLE	
IA603	*WIND TUNNEL ON A	*SRB	*TS LBM,O,SRB FOR		*	*TUNNEL	*J. E. VAUGHN	
CR-160,824	*.004 SCALE MODEL	*	*INTERFACE STRUCTU		*		*C. R. EDWARDS	
	*(74-OTS) THRUST A	*	*RES ANALYSIS OF E		*		*-DMS	
	*UGMENTED SPACE SH	*	*T/LBM, O/ET, SRB/		*			
	*UTTLE INTEGRATED	*	*ET & OF TOTAL VEH		*			
	*VEHICLE (IA603)	*	*ICLE FOR ASSESSIN		*			
	*	*	*G LBM INFLUENCE O		*			
	*	*	*N SSLV FOREBODY C		*			
	*	*	*DEFFS; TO OBTAIN		*			
	*	*	*WING & ELEVON FOR		*			
	*	*	*CE AND MOMENT DAT		*			
	*	*	*A FOR WING STRUCT		*			
	*	*	*URES ANALYSIS		*			
	*	*	*		*			
ARC	- *RESULTS OF AEROTH	*93-O FLAT PLATE	*TO MEASURE DETAIL	*HEAT-TRANS	*0.04	*ROCKWELL/	*J. CLEARY/NASA-AR	*DMS-DR-2417
3.5HWT	- *ERMODYNAMIC HEAT	*	*ED ELEVON/ELEVON	*PRESSURE	*0.03	/*ARC	*C, R.B. KINGSLAND	*JUNE, 1979
235	/*TRANSFER TESTS ON	*	*GAP + FUSELAGE/EL		*7.3	*3.5-FOOT HYPER	*RI	
OH58	*A 0.03-SCALE MOD	*	*EVON INTERFACE HE		*	*SONIC WIND TUN	*D.W.HERSEY	
CR-151,770	*EL (93-O) SIMULAT	*	*ATING DISTRIBUTIO		*	*NEL	*M. M. MANN	
	*ING THE ELEVON/EL	*	*N TO VERIFY DESIG		*		*-DMS	
	*EVON GAP AND ELEV	*	*N HEATING RATES.		*			
	*ON/FUSELAGE INTER	*	*		*			
	*FACE REGIONS OF T	*	*		*			
	*HE SS ORBITER IN	*	*		*			
	*THE ARC 3.5HWT.	*	*		*			
	*	*	*		*			
ARC	- *RESULTS OF TESTS	*WEDGE SHAPED MODE	*TO OBTAIN THE TEM	*HEAT-TRANS	*5.0 -	*ROCKWELL/	*B. J. HERRERA/RI	*DMS-DR-2418
3.5HWT	- *OF A DEVELOPMENT	*L TO HOLD DFI GAS	*PERATURE RESPONSE		*7.3	*ARC		*OCT., 1978
227	/*FLIGHT INSTRUMENT	*TEMP. PROBE	*CHARACTERISTICS		*	*3.5-FOOT HYPER		
IH100	*ATION GAS TEMPERA	*	*OF AN EXISTING DF		*	*SONIC WIND TUN		
CR-151,414	*TURE PROBE IN THE	*	*I GAS TEMPERATURE		*	*NEL		
	*AMES RESEARCH CE	*	*PROBE		*			
	*NTER 3.5 FT. HYPE	*	*		*			
	*RSONIC WIND TUNNE	*	*		*			
	*L (IH100)	*	*		*			
	*	*	*		*			

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 16TT 325	OA270B/C	CR-151,762	RESULTS OF AN INV*SSV OV102 ORBITER*DETERMINE AERODYN*FORCE ESTIGATION TO VER*CONFIGURATION MO *AMIC STABILITY AN* /IFY SHUTTLE ORBIT*DEL 104-O INSTRUM*D CONTROL CHARACT* ER AERO-CHARACTER*ENTERED ELEVONS *ERISTICS AND CONT* ISTICS AND EXAMIN*SSV OV102 ORBITER*ROL SURFACE HINGE* E TRANSONIC BLOCK*CONFIGURATION MO *MOMENTS ON THE O * AGE AND SHOCK REF*DEL 105-O RIGID F*V102 CONFIGURATIO* LECTION EFFECTS U*ORCE MODEL *N TILIZING .02-SCAL* E HI-FIDELITY MOD* ELS 104-O AND 105* -O IN THE LANGLEY* RESEARCH CENTER 1* 6-FT. TRANSONIC W* IND TUNNEL OA270B* /C *		0.6 - 1.3	ROCKWELL/ LARC 16-FOOT TRANSO* NIC TUNNEL	R. H. MOLFINGER, J. J. DAILED/ROC* KWELL INTERNATIONAL* AL E. PUTNAM, W. COM* PTON/LARC G. G. MCDONALD *-DMS	DMS-DR-2419 SEPT., 1978
AEDC HWTB V41B-V2A OH103A CR-167,385			RESULTS OF TESTS *MODEL 83-O LINES*DETERMINE DETAIL *HEAT-TRANS* ON A 0.04-SCALE S*VL70-000140C *HEATING RCC-RSI I* /PACE SHUTTLE ORBI* *INTERFACE AREA ON * TER FOREBODY MODE* *LOWER FUSELAGE * L.(83-O) IN THE A* *AND OBTAIN RCS NO* EDC VKF HYPERSONI* *ZZLE HEATING C WIND TUNNEL 'B'* TO OBTAIN AERODY * NAMIC HEATING DIS* TRIBUTION ON LOWE* R FUSELAGE AND RC* S NOZZLE AREAS (O* H103A) *		0.04 / 7.88 - 8.0	ROCKWELL/ AEDC HYPERSONIC WIN* D TUNNEL (B)	P.L. LAMOINE/RI J. E. VAUGHN G. R. LUTZ *-DMS	DMS-DR-2420 NOV., 1982

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *CALIBRATION TESTS*99-0		*THE OBJECTIVES OF*FORCE		* 0.10/	*ROCKWELL/	*J.GAWIENOWSKI, W.	*DMS-DR-2421
97SWT	- *OF THE SPACE SHU *B74C16N108PR7PR8P		*THESE TESTS WERE *		* 1.6-	*ARC	*ANDERSON/ ARC	*VOLUME 01
282-1	/*TTLE ORBITER AIR *R14VT18VT19		*TO DETERMINE AIR *		* 3.5	*9-FOOT BY 7-FO*	*R.R.BURROWS, W.R.	*DEC., 1980
87SWT	- *DATA SYSTEM USING*		*DATA SYSTEM PROB *			*OT SUPERSONIC	*CARLSON/ RI	
0A251B/C	*A 0.10-SCALE ORB *		*E PITOT AND STATI*			*WIND TUNNEL (U*	*D.W.HERSEY	
CR-160,495	*ITER FOREBODY MOD*		*C PRESSURE ERRORS*			*NITARY)	*G. W. KLUG	
	*EL (99.0) IN THE *		*, THE EFFECT OF P*			*8-FOOT BY 7-FO*	*-DMS	
	NASA AMES RESEARC		*ROBE SCALE ON STA*			*OT SUPERSONIC *		
	H CENTER 9 X 7 AN		*TIC PRESSURE CALI*			*WIND TUNNEL (U*		
	D 8 X 7-FOOT LEGS		*BRATION; CALCULAT*			*NITARY)		
	*OF THE UNITARY P *		*E ANGLE-OF-ATTACK*					
	LAN WIND TUNNEL (*		*SENSOR; EVALUATE *					
	*0A251B AND C) *		*TWO 'FLUSH PORT' *					
	*		*ALTERNATE AIR DAT*					
	*		*A SYSTEMS					
	*		*					
ARC	- *CALIBRATION TESTS*99-0		*THE OBJECTIVES OF*FORCE		* 0.10/	*ROCKWELL/	*J.GAWIENOWSKI, W.	*DMS-DR-2421
97SWT	- *OF THE SPACE SHU *B74C16N108PR7PR8P		*THESE TESTS WERE *		* 1.6-	*ARC	*ANDERSON/ ARC	*VOLUME 02
282-1	/*TTLE ORBITER AIR *R14VT18VT19		*TO DETERMINE AIR *		* 3.5	*9-FOOT BY 7-FO*	*R.R.BURROWS, W.R.	*DEC., 1980
87SWT	- *DATA SYSTEM USING*		*DATA SYSTEM PROB *			*OT SUPERSONIC	*CARLSON/ RI	
0A251B/C	*A 0.10-SCALE ORB *		*E PITOT AND STATI*			*WIND TUNNEL (U*	*D.W.HERSEY	
CR-160,496	*ITER FOREBODY MOD*		*C PRESSURE ERRORS*			*NITARY)	*G. W. KLUG	
	*EL (99.0) IN THE *		*, THE EFFECT OF P*			*8-FOOT BY 7-FO*	*-DMS	
	NASA AMES RESEARC		*ROBE SCALE ON STA*			*OT SUPERSONIC *		
	H CENTER 9 X 7 AN		*TIC PRESSURE CALI*			*WIND TUNNEL (U*		
	D 8 X 7-FOOT LEGS		*BRATION; CALCULAT*			*NITARY)		
	*OF THE UNITARY P *		*E ANGLE-OF-ATTACK*					
	LAN WIND TUNNEL (*		*SENSOR; EVALUATE *					
	*0A251B AND C) *		*TWO 'FLUSH PORT' *					
	*		*ALTERNATE AIR DAT*					
	*		*A SYSTEMS					
	*		*					

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *RESULTS OF THIN S*	*30/10/40-DEGREE C*	TO DETERMINE THE	*HEAT-TRANS*	*3.0 -	*MMC /	*HARRY R. CARROLL/	*DMS-DR-2422
SWTA	- *KIN THERMOCOUPLE	*ONE OGIVE	*CHANGE IN HEATING*		*5.5	*AEDC -	*MMC	*APRIL, 1979
V41A-20	/*TESTS CONDUCTED I*		*IF ANY DUE TO TH*			*SUPERSONIC WIN*	*J. E. VAUGHN	*
FH15	*N THE AEDC VKF TU*		*E SMALL CHANGE IN*			*D TUNNEL (A)	*C. R. EDWARDS	*
CR-151,767	*NNEL A TO DETERMI*		*THE NOSE SPIKE C *				*-DMS	*
	*NE HEAT TRANSFER *		*ONFIGURATION^ + T*					*
	*RATES ON A .0275 *		*O MEASURE INTERFE*					*
	SCALE SSV ET FORE		*RENCE HEATING ON *					*
	*BODY (FH15)		*THE SURFACE AROUN*					*
	*		*D THE FORWARD FAI*					*
	*		*RING, TRAYS, GOX LI*					*
	*		*NES + BRACKETS WI*					*
	*		*TH + WITHOUT THES*					*
	*		*E PROTUBERANCES. *					*
	*		*					*
ARC	- *RESULTS OF THIN S*	*30,10,40 DEGREES	*DETERMINE THE CHA*	*HEAT-TRANS*		*MMC /	*HARRY R. CARROLL/	*DMS-DR-2423
3.5HWT	- *KIN THERMOCOUPLE	*CONICAL SPIKE FOR*	*NGE IN HEATING DU*			*ARC -	*MMC	*JAN., 1980
237	/*TESTS CONDUCTED I*		*E TO THE CHANGE F*			*3.5-FOOT HYPER*	*JACK J. BROWNSON/	*
FH16	*N THE NASA/ARC *		*ROM 10,40 DEG CON*			*SONIC WIND TUN*	*ARC	*
CR-151,768	*3.5 FT. HYPERSONI*		*AL SPIKE TO A 30,*			*NEL	*C. R. EDWARDS	*
	*C WIND TUNNEL TO *		*10,40 DEGREES CON*				*-DMS	*
	DETERMINE HEAT TR		*ICAL SPIKE					*
	*ANSFER RATES ON A *		*TO MEASURE INTERF*					*
	*.0275 SCALE SSV *		*ERENCE HEATING ON*					*
	ET FOREBODY(FH16)		*THE SURFACE AROU *					*
	*		*ND THE FORWARD *					*
	*		*FAIRING, TRAYS, G*					*
	*		*OX LINE AND BRACK*					*
	*		*ETS					*
	*		*					*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11,97,87-289-1	*RESULTS OF TESTS ON THE EFFECTS OF AEROELASTICITY OF THE SPACE SHUTTLE ORBITER VERTICAL TAIL USING A .03-SCALE MODEL (47-O) IN THE NASA AMES UNITARY WIND TUNNELS (OA126A/B)	*B62C9E64F9M16RSV8	*DETERMINE THE EFFECT OF AEROELASTICITY OF THE ORBITER VERTICAL TAIL ON THE LATERAL DIRECTIONAL STABILITY, RUDDER CONTROL CHARACTERISTICS AND TAIL LOADS OF THE ORBITER	*FORCE	*0.6 - *2.5	*ROCKWELL/ARC	*S. R. HOULIHAN/ROCKWELL INTERNATIONAL	*DMS-DR-2424 VOLUME 01 OCT., 1980
ARC 11,97,87-289-1	*RESULTS OF TESTS ON THE EFFECTS OF AEROELASTICITY OF THE SPACE SHUTTLE ORBITER VERTICAL TAIL USING A .03-SCALE MODEL (47-O) IN THE NASA AMES UNITARY WIND TUNNELS (OA126A/B)	*B62C9E64F9M16RSV8	*DETERMINE THE EFFECT OF AEROELASTICITY OF THE ORBITER VERTICAL TAIL ON THE LATERAL DIRECTIONAL STABILITY, RUDDER CONTROL CHARACTERISTICS AND TAIL LOADS OF THE ORBITER	*FORCE	*0.6 - *2.5	*ROCKWELL/ARC	*S. R. HOULIHAN/ROCKWELL INTERNATIONAL	*DMS-DR-2424 VOLUME 02 OCT., 1980
ARC 11,97,87-289-1	*RESULTS OF TESTS ON THE EFFECTS OF AEROELASTICITY OF THE SPACE SHUTTLE ORBITER VERTICAL TAIL USING A .03-SCALE MODEL (47-O) IN THE NASA AMES UNITARY WIND TUNNELS (OA126A/BC)	*SSV 102 ORBITER CONFIGURATION 47-O	*DETERMINE EFFECT OF AEROELASTICITY OF ORBITER VERTICAL TAIL ON LATERAL DIRECTIONAL STABILITY, RUDDER CONTROL CHARACTERISTICS AND TAIL LOADS OF THE ORBITER VEHICLE. THREE TAILS (RIGID, PRELIMINARY INSTRUMENTED, AND ELASTIC) WERE USED.	*FORCE	*0.03 / *0.6 - *3.5	*ROCKWELL/ARC	*S. R. HOULIHAN/ROCKWELL ANDERSON/ARC	*DMS-DR-2424 VOLUME 03 OCT., 1980

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC	- *A WIND TUNNEL STU*140A/B ORBITER		*TO DETERMINE APPL*FORCE		* 0.0004 /	*LARC /	*H. W. CARLSON +	R*DMS-DR-2426
UPWT	- *DY OF THE APPLICA*		*ICABILITY OF FAR*		*2.8 -	*LARC -	*. J. MACK/LARC	*JUNE, 1978
1207 LG2	/*BILITY OF FAR-FIE*		*FIELD SONIC-BOOM *		*4.14	*UNITARY PLAN W*	*J. W. BALL	*
LA124	*LD SONIC-BOOM THE*		*THEORY TO THE SPA*		*	*IND TUNNEL	*G. G. MCDONALD	*
TM-X	*ORY TO THE SPACE *		*CE SHUTTLE ORBITE*		*	*	*-DMS	*
TP1186	*SHUTTLE ORBITER *		*R		*	*	*	*
AEDC	- *RESULTS OF TESTS *MODEL 60-0; LINE*		*DETERMINE TURBULE*HEAT-TRANS*		* 0.0175 /	*ROCKWELL/	*J.W. CUMMINGS/RI	*DMS-DR-2427
HWTB	- *OF A 0.0175-SCALE*S VL70-000140C		*NT HEATING ON LOW*		*7.96 -	*AEDC -	*S. R. HOULIHAN	*JAN., 1984
V41B-V2C	/*THIN-SKIN THERMO *		*ER FUSELAGE AND W*		*8.0	*HYPERSONIC WIN*	*G. R. LUTZ	*
OH103B	*COUPLE WIND TUNNE*		*ING SURFACE		*	*D TUNNEL (B)	*-DMS	*
CR-167,675	*L MODEL (60-0) OF*		*		*	*	*	*
	*THE SPACE SHUTTL *		*		*	*	*	*
	E ORBITER TO DETE		*		*	*	*	*
	*RMINE EFFECTS OF *		*		*	*	*	*
	SURFACE ROUGHNESS		*		*	*	*	*
	*IN THE AEDC VKF *		*		*	*	*	*
	HYPERSONIC WIND T		*		*	*	*	*
	UNNEL B (OH103B		*		*	*	*	*
	*)		*		*	*	*	*
	*		*		*	*	*	*
LERC	- *WIND TUNNEL TESTS*84-OTS- .035 SCAL*		*TO OBTAIN PRESSUR*PRESSURE		* .035 /	*ROCKWELL/	*P.R. CARROL/RI, W*	DMS-DR-2428
10SWT	- *OF THE 0.035-SCA *E MODEL OF THE IN*		*E DATA IN THE VIC*		*2.5 -	*LERC -	*. GERSTENMAIER/NA*	VOLUME 01
045	/*LE INTEGRATED SPA*TEGRATED SPACE SH*		*INITY OF PROTUBER*		*3.5	*10 BY 10-FOOT *SA		*FEB., 1981
IH11	*CE SHUTTLE VEICL*UTTLE VEHICLE		*ANCES AND CONNECT*		*	*SUPERSONIC WIN*	*S. R. HOULIHAN	*
CR-160,523	*E 84-OTS IN THE N*		*ING HARDWARE ON T*		*	*D TUNNEL	*G. W. KLUG	*
	ASA/LEWIS 10 X 10		*HE ORBITER, EXTERN*		*	*	*-DMS	*
	*-FOOT SUPERSONIC *		*AL TANK AND SOLID*		*	*	*	*
	WIND TUNNEL (IH1		*ROCKET BOOSTER I *		*	*	*	*
	*1)		*N ORDER TO DETERM*		*	*	*	*
	*		*INE AERODYNAMIC H*		*	*	*	*
	*		*EATING RATES IN T*		*	*	*	*
	*		*HESE AREAS.		*	*	*	*
	*		*		*	*	*	*

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LERC 10SWT 045 IH11 CR-160,524	- *WIND TUNNEL TESTS*84-OTS- .035 SCAL*TO OBTAIN PRESSUR*PRESSURE - *OF THE 0.035-SCA *E MODEL OF THE IN*E DATA IN THE VIC* /*LE INTEGRATED SPA*TEGRATED SPACE SH*INITY OF PROTUBER* *CE SHUTTLE VEHICL*UTTLE VEHICLE	*ANCES AND CONNECT* *ING HARDWARE ON T* *HE ORBITER, EXTERN* *AL TANK AND SOLID* *ROCKET BOOSTER I * *N ORDER TO DETERM* *INE AERODYNAMIC H* *EATING RATES IN T* *HESE AREAS.			*.035 / *2.5 - *3.5	*ROCKWELL/ *LERC *10 BY 10-FOOT *SA *SUPERSONIC WIN* *D TUNNEL	*P.R. CARROL/RI, W* *. GERSTENMAIER/NA* *S. R. HOULIHAN *G. W. KLUG *-DMS	*DMS-DR-2428 *VOLUME 02 *FEB., 1981
LERC 10SWT 045 IH11 CR-160,525	- *WIND TUNNEL TESTS*84-OTS- .035 SCAL*TO OBTAIN PRESSUR*PRESSURE - *OF THE 0.035-SCA *E MODEL OF THE IN*E DATA IN THE VIC* /*LE INTEGRATED SPA*TEGRATED SPACE SH*INITY OF PROTUBER* *CE SHUTTLE VEHICL*UTTLE VEHICLE	*ANCES AND CONNECT* *ING HARDWARE ON T* *HE ORBITER, EXTERN* *AL TANK AND SOLID* *ROCKET BOOSTER I * *N ORDER TO DETERM* *INE AERODYNAMIC H* *EATING RATES IN T* *HESE AREAS.			*.035 / *2.5 - *3.5	*ROCKWELL/ *LERC *10 BY 10-FOOT *SA *SUPERSONIC WIN* *D TUNNEL	*P.R. CARROL/RI, W* *. GERSTENMAIER/NA* *S. R. HOULIHAN *G. W. KLUG *-DMS	*DMS-DR-2428 *VOLUME 03 *FEB., 1981
LERC 10SWT 045 IH11 CR-160,526	- *WIND TUNNEL TESTS*84-OTS- .035 SCAL*TO OBTAIN PRESSUR*PRESSURE - *OF THE 0.035-SCA *E MODEL OF THE IN*E DATA IN THE VIC* /*LE INTEGRATED SPA*TEGRATED SPACE SH*INITY OF PROTUBER* *CE SHUTTLE VEHICL*UTTLE VEHICLE	*ANCES AND CONNECT* *ING HARDWARE ON T* *HE ORBITER, EXTERN* *AL TANK AND SOLID* *ROCKET BOOSTER I * *N ORDER TO DETERM* *INE AERODYNAMIC H* *EATING RATES IN T* *HESE AREAS.			*.035 / *2.5 - *3.5	*ROCKWELL/ *LERC *10 BY 10-FOOT *SA *SUPERSONIC WIN* *D TUNNEL	*P.R. CARROL/RI, W* *. GERSTENMAIER/NA* *S. R. HOULIHAN *G. W. KLUG *-DMS	*DMS-DR-2428 *VOLUME 04 *FEB., 1981

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 3.5HWT 239	*THIN SKIN HEAT TRANSFER TESTS OF A*58OTS /SIMULATED SPACE		THE PURPOSE OF THIS TEST WAS TO OBTAIN AERODYNAMIC DATA ON THE EFFECTS OF INTERFERENCE HEATING ON THE PROXIMITY OF THE FORWARD ET/SRB ATTACHMENT AND ON THE ATTACH STRUCTURE.	HEAT-TRANSFER	0.04 / 5.3	ROCKWELL/ARC	J.W. CUMMINGS / A.F. OKUNO	DMS-DR-2429 / APRIL, 1982
IHS1B CR-167,353	*SHUTTLE 0.04 SCAL*E SOLID ROCKET BOOSTER/ET MODEL (5*8-TS) IN THE NASA /ARC 3.5 FOOT HYPERSONIC WIND TUNNEL (IHS1B)						S. R. HOULIHAN G. W. KLUG	
LARC 16TT 326	*RESULTS OF AN INVESTIGATION TO VERIFY SHUTTLE ORBIT AERO-CHARACTERISTICS AND EXAMINE TRANSONIC BLOCKAGE AND SHOCK REFLECTION EFFECTS UTILIZING AN .05-SCALE HI-FIDELITY REMOTE CONTROL MODEL(39-0) IN THE LANGLEY RESEARCH CENTER 16-FT. TRANSONIC WIND TUNNEL	OV102(MODEL 39-0)	VERIFICATION OF LONGITUDINAL AND LATERAL/DIRECTIONAL FORCE AND MOMENT CHARACTERISTICS, CONTROL SURFACE EFFECTIVENESS AND HINGE MOMENTS AND EXAMINE THE EFFECT OF TUNNEL BLOCKAGE AND SHOCK REFLECTIONS ON THESE CHARACTERISTICS	FORCE	0.6 / 1.3	ROCKWELL/LARC	R.H. MULFINGER / S. R. HOULIHAN	DMS-DR-2430 / VOLUME 01
OA270A CR-160,817						16-FOOT TRANSONIC TUNNEL	M. M. MANN	MARCH, 1981

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL *MACH RANGE*	SCALE TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 16TT 326 OA270A CR-160,819	- *RESULTS OF AN INV*OV102(MODEL 39-O)* - *ESTIGATION TO VER* /*IFY SHUTTLE ORBIT* *ER AERO-CHARACTER* *ISTICS AND EXAMIN* *E TRANSONIC BLOCK* *AGE AND SHOCK REF* *LECTION EFFECTS * *UTILIZING AN .05-* *SCALE HI-FIDELITY* *REMOTE CONTROL M * *ODEL(39-O) IN THE* *LANGLEY RESEARCH * *CENTER 16-FT. TRA* *NSONIC WIND TUNNE* *L OA270A *	*VERIFICATION OF L*FORCE *ONGITUDINAL AND L* *ATERAL/DIRECTIONA* *L FORCE AND * *MOMENT CHARACTERI* *STICS, CONTROL SU* *RFACE EFFECTIVENE* *SS AND HINGE * *MOMENTS AND EXAMI* *NE THE EFFECT OF * *TUNNEL BLOCKAGE A* *ND SHOCK REFLECT-* *IONS ON THESE CHA* *RACTERISTICS *	*O.6 - *1.3	*ROCKWELL/ *LARC - *16-FOOT TRANSO* *NIC TUNNEL *-DMS	*R.H.MULFINGER/RI *S. R. HOULIHAN *M. M. MANN *-DMS	*DMS-DR-2430 *VOLUME O2 *MARCH, 1981		
LARC 16TT 326 OA270A CR-160,819	- *RESULTS OF AN INV*OV102(MODEL 39-O)* - *ESTIGATION TO VER* /*IFY SHUTTLE ORBIT* *ER AERO-CHARACTER* *ISTICS AND EXAMIN* *E TRANSONIC BLOCK* *AGE AND SHOCK REF* *LECTION EFFECTS * *UTILIZING AN .05-* *SCALE HI-FIDELITY* *REMOTE CONTROL M * *ODEL(39-O) IN THE* *LANGLEY RESEARCH * *CENTER 16-FT. TRA* *NSONIC WIND TUNNE* *L OA270A *	*VERIFICATION OF L*FORCE *ONGITUDINAL AND L* *ATERAL/DIRECTIONA* *L FORCE AND * *MOMENT CHARACTERI* *STICS, CONTROL SU* *RFACE EFFECTIVENE* *SS AND HINGE * *MOMENTS AND EXAMI* *NE THE EFFECT OF * *TUNNEL BLOCKAGE A* *ND SHOCK REFLECT-* *IONS ON THESE CHA* *RACTERISTICS *	*O.6 - *1.3	*ROCKWELL/ *LARC - *16-FOOT TRANSO* *NIC TUNNEL *-DMS	*R.H.MULFINGER/RI *S. R. HOULIHAN *M. M. MANN *-DMS	*DMS-DR-2430 *VOLUME O3 *MARCH, 1981		

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *TEST RESULTS FROM*OTS-T38S26B62C12M*TO OBTAIN CONVECT*HEAT-TRANS*				0.0175 /	*ROCKWELL/	*J.W.CUMMINGS/RI	*DMS-DR-2431
SWTA	- *THE NASA/ROCKELL *16W116E52V8R18F10*IVE HEAT-TRANSFER*				*3.01 -	*AEDC -	*K.W.NUTT/AEDC-VKF	*VOLUME 01
V41A-W5	/*INTERNATIONAL SP *OT-T38B62C12M16W1*-RATE DISTRIBUTIO*				*4.02	*SUPERSONIC WIN*/SH		*APRIL, 1980
IH85	*ACE SHUTTLE INTEG*16E52V8R18F10		*NS ON THE SPACE S*			*D TUNNEL (A)	*J. E. VAUGHN	
CR-151,793	*RATED VEHICLE TES*		*HUTTLE INTEGRATED*				*G. W. KLUG	
	T USING A 0.0175--		*VEHICLE DURING S *				*-DMS	
	SCALE MODEL (60-O		*IMULATED FIRST AN*					
	*TS) CONDUCTED IN *		*D SECOND STAGE CO*					
	THE AEDC-VKF TUNN		*NDITIONS OF THE F*					
	*EL A (IH85)		*LIGHT PROFILE					
	*		*					
AEDC	- *TEST RESULTS FROM*OTS-T38S26B62C12M*TO OBTAIN CONVECT*HEAT-TRANS*				0.0175 /	*ROCKWELL/	*J.W.CUMMINGS/RI	*DMS-DR-2431
SWTA	- *THE NASA/ROCKELL *16W116E52V8R18F10*IVE HEAT-TRANSFER*				*3.01 -	*AEDC -	*K.W.NUTT/AEDC-VKF	*VOLUME 02
V41A-W5	/*INTERNATIONAL SP *OT-T38B62C12M16W1*-RATE DISTRIBUTIO*				*4.02	*SUPERSONIC WIN*/SH		*APRIL, 1980
IH85	*ACE SHUTTLE INTEG*16E52V8R18F10		*NS ON THE SPACE S*			*D TUNNEL (A)	*J. E. VAUGHN	
CR-151,794	*RATED VEHICLE TES*		*HUTTLE INTEGRATED*				*G. W. KLUG	
	T USING A 0.0175--		*VEHICLE DURING S *				*-DMS	
	SCALE MODEL (60-O		*IMULATED FIRST AN*					
	*TS) CONDUCTED IN *		*D SECOND STAGE CO*					
	THE AEDC-VKF TUNN		*NDITIONS OF THE F*					
	*EL A (IH85)		*LIGHT PROFILE					
	*		*					
AEDC	- *TEST RESULTS FROM*OTS-T38S26B62C12M*TO OBTAIN CONVECT*HEAT-TRANS*				0.0175 /	*ROCKWELL/	*J.W.CUMMINGS/RI	*DMS-DR-2431
SWTA	- *THE NASA/ROCKELL *16W116E52V8R18F10*IVE HEAT-TRANSFER*				*3.01 -	*AEDC -	*K.W.NUTT/AEDC-VKF	*VOLUME 03
V41A-W5	/*INTERNATIONAL SP *OT-T38B62C12M16W1*-RATE DISTRIBUTIO*				*4.02	*SUPERSONIC WIN*/SH		*APRIL, 1980
IH85	*ACE SHUTTLE INTEG*16E52V8R18F10		*NS ON THE SPACE S*			*D TUNNEL (A)	*J. E. VAUGHN	
CR-151,795	*RATED VEHICLE TES*		*HUTTLE INTEGRATED*				*G. W. KLUG	
	T USING A 0.0175--		*VEHICLE DURING S *				*-DMS	
	SCALE MODEL (60-O		*IMULATED FIRST AN*					
	*TS) CONDUCTED IN *		*D SECOND STAGE CO*					
	THE AEDC-VKF TUNN		*NDITIONS OF THE F*					
	*EL A (IH85)		*LIGHT PROFILE					
	*		*					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH	SCALE RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC SWTA V41A-W5 IH85 CR-151,796	- *TEST RESULTS FROM* - *THE NASA/ROCKELL* /*INTERNATIONAL SP* *ACE SHUTTLE INTEG* *RATED VEHICLE TES* *T USING A 0.0175* *SCALE MODEL (60-0* *TS) CONDUCTED IN* *THE AEDC-VKF TUNN* *EL A (IH85)*	*OTS-T38S26B62C12M* *16W116E52V8R18F10* *OT-T38B62C12M16W1* *16E52V8R18F10* *NS ON THE SPACE S* *HUTTLE INTEGRATED* *VEHICLE DURING S* *IMULATED FIRST AN* *D SECOND STAGE CO* *NDITIONS OF THE F* *LIGHT PROFILE*	*TO OBTAIN CONVECT* *HEAT-TRANSFER* *-RATE DISTRIBUTIO* *NS ON THE SPACE S* *HUTTLE INTEGRATED* *VEHICLE DURING S* *IMULATED FIRST AN* *D SECOND STAGE CO* *NDITIONS OF THE F* *LIGHT PROFILE*	*HEAT-TRANS* *IVE HEAT-TRANSFER* *-RATE DISTRIBUTIO* *NS ON THE SPACE S* *HUTTLE INTEGRATED* *VEHICLE DURING S* *IMULATED FIRST AN* *D SECOND STAGE CO* *NDITIONS OF THE F* *LIGHT PROFILE*	*0.0175 / *3.01 - *4.02	*ROCKWELL/ *AEDC - *SUPERSONIC WIN*/SH *D TUNNEL (A)	*J.W.CUMMINGS/RI *K.W.NUTT/AEDC-VKF* *SUPERSONIC WIN*/SH *J. E. VAUGHN *G. W. KLUG *-DMS	*DMS-DR-2431 *VOLUME O4 *APRIL, 1980	
AEDC SWTA V41A-W5 IH85 CR-151,797	- *TEST RESULTS FROM* - *THE NASA/ROCKELL* /*INTERNATIONAL SP* *ACE SHUTTLE INTEG* *RATED VEHICLE TES* *T USING A 0.0175* *SCALE MODEL (60-0* *TS) CONDUCTED IN* *THE AEDC-VKF TUNN* *EL A (IH85)*	*OTS-T38S26B62C12M* *16W116E52V8R18F10* *OT-T38B62C12M16W1* *16E52V8R18F10* *NS ON THE SPACE S* *HUTTLE INTEGRATED* *VEHICLE DURING S* *IMULATED FIRST AN* *D SECOND STAGE CO* *NDITIONS OF THE F* *LIGHT PROFILE*	*TO OBTAIN CONVECT* *HEAT-TRANSFER* *-RATE DISTRIBUTIO* *NS ON THE SPACE S* *HUTTLE INTEGRATED* *VEHICLE DURING S* *IMULATED FIRST AN* *D SECOND STAGE CO* *NDITIONS OF THE F* *LIGHT PROFILE*	*HEAT-TRANS* *IVE HEAT-TRANSFER* *-RATE DISTRIBUTIO* *NS ON THE SPACE S* *HUTTLE INTEGRATED* *VEHICLE DURING S* *IMULATED FIRST AN* *D SECOND STAGE CO* *NDITIONS OF THE F* *LIGHT PROFILE*	*0.0175 / *3.01 - *4.02	*ROCKWELL/ *AEDC - *SUPERSONIC WIN*/SH *D TUNNEL (A)	*J.W.CUMMINGS/RI *K.W.NUTT/AEDC-VKF* *SUPERSONIC WIN*/SH *J. E. VAUGHN *G. W. KLUG *-DMS	*DMS-DR-2431 *VOLUME O5 *MAY, 1980	
AEDC SWTA V41A-W5 IH85 CR-151,798	- *TEST RESULTS FROM* - *THE NASA/ROCKELL* /*INTERNATIONAL SP* *ACE SHUTTLE INTEG* *RATED VEHICLE TES* *T USING A 0.0175* *SCALE MODEL (60-0* *TS) CONDUCTED IN* *THE AEDC-VKF TUNN* *EL A (IH85)*	*OTS-T38S26B62C12M* *16W116E52V8R18F10* *OT-T38B62C12M16W1* *16E52V8R18F10* *NS ON THE SPACE S* *HUTTLE INTEGRATED* *VEHICLE DURING S* *IMULATED FIRST AN* *D SECOND STAGE CO* *NDITIONS OF THE F* *LIGHT PROFILE*	*TO OBTAIN CONVECT* *HEAT-TRANSFER* *-RATE DISTRIBUTIO* *NS ON THE SPACE S* *HUTTLE INTEGRATED* *VEHICLE DURING S* *IMULATED FIRST AN* *D SECOND STAGE CO* *NDITIONS OF THE F* *LIGHT PROFILE*	*HEAT-TRANS* *IVE HEAT-TRANSFER* *-RATE DISTRIBUTIO* *NS ON THE SPACE S* *HUTTLE INTEGRATED* *VEHICLE DURING S* *IMULATED FIRST AN* *D SECOND STAGE CO* *NDITIONS OF THE F* *LIGHT PROFILE*	*0.0175 / *3.01 - *4.02	*ROCKWELL/ *AEDC - *SUPERSONIC WIN*/SH *D TUNNEL (A)	*J.W.CUMMINGS/RI *K.W.NUTT/AEDC-VKF* *SUPERSONIC WIN*/SH *J. E. VAUGHN *G. W. KLUG *-DMS	*DMS-DR-2431 *VOLUME O6 *MAY, 1980	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *TEST RESULTS FROM*	OTS-T38S26B62C12M*	TO OBTAIN CONVECT*	HEAT-TRANS*	0.0175 /	*ROCKWELL/	*J.W.CUMMINGS/RI	*DMS-DR-2431
SWTA	- *THE NASA/ROCKELL	*16W116E52V8R18F10*	IVE HEAT-TRANSFER*		*3.01 -	*AEDC -	*K.W.NUTT/AEDC-VKF*	*VOLUME 07
V41A-W5	/*INTERNATIONAL SP	*OT-T38B62C12M16W1*	-RATE DISTRIBUTIO*		*4.02	*SUPERSONIC WIN*/SH		*MAY, 1980
IH85	*ACE SHUTTLE INTEG*	*16E52V8R18F10	*NS ON THE SPACE S*			*D TUNNEL (A)	*J. E. VAUGHN	
CR-151,799	*RATED VEHICLE TES*		*HUTTLE INTEGRATED*				*G. W. KLUG	
	*T USING A 0.0175-		*VEHICLE DURING S *				*-DMS	
	SCALE MODEL (60-0		*IMULATED FIRST AN*					
	*TS) CONDUCTED IN *		*D SECOND STAGE CO*					
	THE AEDC-VKF TUNN		*NDITIONS OF THE F*					
	*EL A (IH85)		*LIGHT PROFILE					
AEDC	- *TEST RESULTS FROM*	OTS-T38S26B62C12M*	TO OBTAIN CONVECT*	HEAT-TRANS*	0.0175 /	*ROCKWELL/	*J.W.CUMMINGS/RI	*DMS-DR-2431
SWTA	- *THE NASA/ROCKELL	*16W116E52V8R18F10*	IVE HEAT-TRANSFER*		*3.01 -	*AEDC -	*K.W.NUTT/AEDC-VKF*	*VOLUME 08
V41A-W5	/*INTERNATIONAL SP	*OT-T38B62C12M16W1*	-RATE DISTRIBUTIO*		*4.02	*SUPERSONIC WIN*/SH		*APRIL, 1980
IH85	*ACE SHUTTLE INTEG*	*16E52V8R18F10	*NS ON THE SPACE S*			*D TUNNEL (A)	*J. E. VAUGHN	
CR-151,800	*RATED VEHICLE TES*		*HUTTLE INTEGRATED*				*G. W. KLUG	
	*T USING A 0.0175-		*VEHICLE DURING S *				*-DMS	
	SCALE MODEL (60-0		*IMULATED FIRST AN*					
	*TS) CONDUCTED IN *		*D SECOND STAGE CO*					
	THE AEDC-VKF TUNN		*NDITIONS OF THE F*					
	*EL A (IH85)		*LIGHT PROFILE					
LARC	- *INVESTIGATION OF	*OV102 (105-0)	*TO OBTAIN LATERAL*	FORCE	0.02/	*LARC /	*W.PELHAM PHILLIPS	*DMS-DR-2432
UPWT	- *LONGITUDINAL AND *		*-DIRECTIONAL AERO*			*LARC -	*NASA-LARC	*OCT., 1981
1243	/*LATERAL-DIRECTION*		*DYNAMIC CHARACTER*			*UNITARY PLAN W*	*J. W. BALL	
LA125	*AL AERODYNAMIC CH*		*ISTICS OF THE ORB*			*IND TUNNEL	*G. W. KLUG	
CR-160,845	*ARACTERISTICS FOR*		*ITER OVER THE MAC*				*-DMS	
	*A 2 PERCENT (MOD *		*H RANGE 2.5 TO 4.*					
	EL 105-0) SPACE S		*5.					
	HUTTLE ORBITER (V							
	EHICLE 102) IN TH							
	E LARC UPWT AT MA							
	CH NUMBERS FROM 2							
	.5 TO 4.5 (LA125)							
	*							

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
NSWC 1310	- *RESULTS OF TESTS *O.02 SCALE ORBITE*OBTAIN FORCE AND *FORCE	*0.020-SCA*R VEHICLE 102 (MO*MOMENT DATA AT FU*			*13.1 -	*ROCKWELL/	*J. J. DAILED/ROC*	*DMS-DR-2433
OA171	/*USING A 0.020-SCA*R VEHICLE 102 (MO*MOMENT DATA AT FU*	*LE MODEL (105-0) *DEL 105-0), MODIF*LL SCALE FLIGHT T*			*13.5	*NSWC -	*KWELL INTERNATIONAL*	*OCT., 1978
CR-151,764	*OF THE SPACE SHUT*IED MODEL 89-0	*RAJECTORY REYNOLD*					*W. C. WOODS, G. C.*	
	TLE VEHICLE ORBIT	*S NUMBER AT A MA*					*. ASHBY, JR./LARC*	
	ER IN THE NAVAL S	*CH NUMBER OF 14 A*					*D.W.HERSEY	
	URFACE WEAPONS CE	*ND TO EXPAND THE *					*G. G. MCDONALD	
	NTER HYPERVELOCIT	*CURRENT DATA BASE*					*-DMS	
	Y TUNNEL 9 (OA171	*ABOVE MACH 10 BUT*						
	*)	*BELOW THE FLIGHT						
	*	*CONDITIONS WHERE *						
	*	*ONSET OF VISCOUS *						
	*	*INTERACIONS OCCUR*						
	*	*S.						
	*	*						
AEDC PWT16T	- *RESULTS OF TESTS *ORBITER (47.0) OV*TO DETERMINE AERO*FORCE	*0.020-SCA*R VEHICLE 102 (MO*MOMENT DATA AT FU*			*0.03/	*ROCKWELL/	*R.S.SPANGLER/RI	*DMS-DR-2434
507	/*ON THE EFFECTS OF*102 WITH RIGID AN*ELASTIC EFFECTS O*	*LE MODEL (105-0) *DEL 105-0), MODIF*LL SCALE FLIGHT T*			*0.8 -	*AEDC -	*S.R.HOULIHAN/RI	*DEC., 1979
OA129	/*AEROELASTICITY O *D FLEXIBLE TAIL	*F THE ORBITER VER*			*1.55	*TRANSONIC PROP*	*D.W.HERSEY	
CR-151,782	*F THE SPACE SHUTT*	*TICAL TAIL ON THE*				*ULSION WIND TU*	*G. W. KLUG	
	LE ORBITER VERTIC	*LATERAL-DIRECTIO *				*NNEL (PWT-16T)*-DMS		
	AL TAIL USING A O	*NAL STABILITY, RU*						
	.03-SCALE MODEL (*	*DDER CONTROL CHAR*						
	47-0) IN THE AEDC	*ACTERISTICS AND V*						
	-16T PROPULSION W	*ERTICAL TAIL LOAD*						
	IND TUNNEL (OA129	*S.						
	*)	*						
	*	*						
	*	*						

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LERC 10SWT 041 IH39 CR-151,415	*BASE PRESSURE AND HEAT TRANSFER TESTS OF THE 0.0225 SCALE SPACE SHUTTLE PLUME SIMULATION MODEL (19-OTS) IN THE NASA-LEWIS RESEARCH CENTER 10X10-FOOT SUPERSONIC WIND TUNNEL (TEST IH39)	*INTEGRATED VEHICLE CONFIGURATION 5	*TO MEASURE HEAT TRANSFER + PRESSURE DISTRIBUTIONS ABOUT THE ORBITER, + SRB AFTBODY SURFACES DUE TO ROCKET PLUME RECIRCULATION; THE SAME ALONG SIDE WALLS DUE TO ROCKET-PLUME-INDUCED SEPARATION; + TO DETERMINE GAS RECOVERY TEMPERATURES.		*0.0225 / *2.0 - *3.5	*ROCKWELL/ LERC - *10 BY 10-FOOT *SUPERSONIC WIND TUNNEL	*J.W.FOUST/RI *D.W.HERSEY *G. G. McDONALD	*DMS-DR-2435 *OCT., 1978
LA126 TM-X 72661	*SPACE SHUTTLE ORBITER TRIMMED CENTER OF GRAVITY EXTENSION STUDY VOLUME VI--SYSTEM DESIGN STUDIES					*LARC /	*J. W. BALL *-DMS	*DMS-DR-2436 *VOLUME 06 *AUGUST, 1978
MSFC 14TWT 652 FA25 CR-151,766	*RESULTS OF TRANSONIC TESTS IN THE NASA/MSFC 14-INCH-ORBITER. MOLD LINE C TRISONIC WIND TUNNEL ON A 0.004 D NOSE SCALE MODEL (74-OTS) SPACE SHUTTLE LAUNCH VEHICLE (FA25)	*MODEL 74-OTS *MODEL 74-OTS WITH *MOLD LINE CHANGES *MODEL 74-OTS WITH *MOLD LINE C *WIRE BUNDLE FAIRINGS; FLOW ANGLE CHANGES ON WING	*DETERMINE AERODYNAMIC INCREMENTS DUE TO ATTACH STRUTS; ORBITER MOLD LINE CHANGES; WIRE BUNDLE FAIRINGS; FLOW ANGLE CHANGES		*0.60 - *4.96	*MSFC / *MSFC - *14-INCH TRISONIC WIND TUNNEL	*THOMAS E. LUNDY/L *J. L. GLYNN *J. E. VAUGHN *-DMS	*DMS-DR-2437 *FEB., 1979

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 97SWT 246-1 IA138 CR-160,855	- *RESULTS OF AN EXP*PROPOSED VEHICLE - *ERIMENTAL INVESTI*5 /*GATION TO DETERMI* *NE ORBITER AND SO* *LID ROCKET BOOSTE*		*TO OBTAIN PRESSUR*FORCE *E COEFFICIENT INC*PRESSURE *REMENTS DUE TO PL* *UME EFFECTS ON * *THE ORBITER, EXTE* *RNAL TANK, AND SR* *B, AND TO OBTAIN * *WING LOADS AND * *ELEVON HINGE MOM* *NTS		*0.01 / *ROCKWELL/ *1.55 - *ARC - *2.5 *9-FOOT BY 7-FO*	*J. MARROQUIN/RI *D.W.HERSEY *R. H. LINDAHL	*DMS-DR-2438 *VOLUME 01 *FEB., 1982	
	R JET PLUME INDUC *ED EFFECTS UTILIZ* *ING A .01-SCALE I* *NTEGRATED VEHICLE* *SPACE SHUTTLE MO * *DEL (75-OTS) IN T* *HE NASA/ARC 9X7 F* *OOT LEG OF THE UN* *ITARY PLAN WIND T* *UNNEL				*OT SUPERSONIC *-DMS *WIND TUNNEL (U* *NITARY)			
ARC 97SWT 246-1 IA138 CR-160,856	- *RESULTS OF AN EXP*PROPOSED VEHICLE - *ERIMENTAL INVESTI*5 /*GATION TO DETERMI* *NE ORBITER AND SO* *LID ROCKET BOOSTE*		*TO OBTAIN PRESSUR*FORCE *E COEFFICIENT INC*PRESSURE *REMENTS DUE TO PL* *UME EFFECTS ON * *THE ORBITER, EXTE* *RNAL TANK, AND SR* *B, AND TO OBTAIN * *WING LOADS AND * *ELEVON HINGE MOM* *NTS		*0.01 / *ROCKWELL/ *1.55 - *ARC - *2.5 *9-FOOT BY 7-FO*	*J. MARROQUIN/RI *D.W.HERSEY *R. H. LINDAHL	*DMS-DR-2438 *VOLUME 02 *FEB., 1982	
	R JET PLUME INDUC *ED EFFECTS UTILIZ* *ING A .01-SCALE I* *NTEGRATED VEHICLE* *SPACE SHUTTLE MO * *DEL (75-OTS) IN T* *HE NASA/ARC 9X7 F* *OOT LEG OF THE UN* *ITARY PLAN WIND T* *UNNEL				*OT SUPERSONIC *-DMS *WIND TUNNEL (U* *NITARY)			

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 97SWT 246-1 IA138 CR-160,857	- *RESULTS OF AN EXP*PROPOSED VEHICLE - *ERIMENTAL INVESTI*5 /*GATION TO DETERMI* *NE ORBITER AND SO* *LID ROCKET BOOSTE* *R JET PLUME INDUC* *ED EFFECTS UTILIZ* *ING A .01-SCALE I* *NTEGRATED VEHICLE* *SPACE SHUTTLE MO * *DEL (75-OTS) IN T* *HE NASA/ARC 9X7 F* *OOT LEG OF THE UN* *ITARY PLAN WIND T* *UNNEL	*TO OBTAIN PRESSUR*FORCE *E COEFFICIENT INC*PRESSURE *REMENTS DUE TO PL* *UME EFFECTS ON * *THE ORBITER, EXTE* *RNAL TANK, AND SR* *B, AND TO OBTAIN * *WING LOADS AND * *ELEVON HINGE MOM* *NTS	*TO OBTAIN PRESSUR*FORCE *E COEFFICIENT INC*PRESSURE *REMENTS DUE TO PL* *UME EFFECTS ON * *THE ORBITER, EXTE* *RNAL TANK, AND SR* *B, AND TO OBTAIN * *WING LOADS AND * *ELEVON HINGE MOM* *NTS	*0.01 / *1.55 - *2.5	*ROCKWELL/ *ARC - *9-FOOT BY 7-FO* *OT SUPERSONIC *-DMS *WIND TUNNEL (U* *NITARY)	*J. MARROQUIN/RI *D.W.HERSEY *R. H. LINDAHL *-DMS	*DMS-DR-2438 *VOLUME 03 *FEB., 1982	
AEDC PWT16T 517 IA182 CR-167,673	- *RESULTS OF TESTS *MODEL 47-OTS - *USING A 0.03-SCAL* /*E MODEL (47-OTS) * *OF THE SPACE SHUT* *TLE INTEGRATED VE* *HICLE IN THE AEDC* *16-FOOT TRANSONI * *C PROPULSION WIND* *TUNNEL (IA182) *	*TO OBTAIN ORBITER*FORCE *FORCE AND MOMENT * *DATA, WING LOAD * *INDICATOR DATA, E* *LEVON HINGE MOMEN* *TS,AND TO INVESTI* *GATE FLOW ANGULAR* *ITY CORRECTIONS * *TO APPLY TO THE I* *A105A DATA	*TO OBTAIN ORBITER*FORCE *FORCE AND MOMENT * *DATA, WING LOAD * *INDICATOR DATA, E* *LEVON HINGE MOMEN* *TS,AND TO INVESTI* *GATE FLOW ANGULAR* *ITY CORRECTIONS * *TO APPLY TO THE I* *A105A DATA	*0.03 / *0.6- *1.55	*ROCKWELL/ *AEDC - *TRANSONIC PROP* *ULSION WIND TU* *NNEL (PWT-16T)*-DMS	*R. H. SPANGLER/RI *L. P. LEBLANC/RI *S. R. HOULIHAN *G. W. KLUG	*DMS-DR-2439 *NOV., 1983	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LERC 10SWT 044 IH83 CR-151,765	*BASE PRESSURE AND SPACE SHUTTLE PLU *HEAT TRANSFER TE ME SIMULATION (MO / *STS OF THE O.0225*DEL 19-OTS) *SCALE SPACE SHUT *TLE PLUME SIMULAT *ION MODEL (19-OTS *) IN YAWED FLIGHT *CONDITIONS IN TH *E NASA-LEWIS 10X1 *O-FOOT SUPERSONIC *WIND TUNNEL	*SPACE SHUTTLE PLU *ME SIMULATION (MO *E DISTRIBUTIONS A *BOUT THE ORBITER, *EXTERNAL TANK (ET *), + SOLID ROCKET *BOOSTER (SRB) AF *TERBODY SURFACES *DUE TO ROCKET PLU *ME RECIRCULATION ** IMPINGEMENT, + *TO DERIVE GAS REC *OVERY TEMP. IN TH *E BASE REGION USI *NG GAS TEMP. PROB *E MEASUREMENTS.	*TO MEASURE HEAT T*PRESSURE *RANSFER + PRESSUR*HEAT-TRANS *E DISTRIBUTIONS A *BOUT THE ORBITER, *EXTERNAL TANK (ET *), + SOLID ROCKET *BOOSTER (SRB) AF *TERBODY SURFACES *DUE TO ROCKET PLU *ME RECIRCULATION ** IMPINGEMENT, + *TO DERIVE GAS REC *OVERY TEMP. IN TH *E BASE REGION USI *NG GAS TEMP. PROB *E MEASUREMENTS.	*O.0225 / *3.5	*ROCKWELL/ *LERC *10 BY 10-FOOT *SUPERSONIC WIN *D TUNNEL	*J.W.FOUST/RI *M.QUAN/RI *D.W.HERSEY *G. R. LUTZ *-DMS	*DMS-DR-2440 *FEB., 1979	
JSC 61-A-78 OH79 CR-151,769	*PRESSURE AND HEAT*65-O SS ORBITER B /*TRANSFER TESTS O *ASE HEATING MODEL *F THE O.040-SCALE *SPACE SHUTTLE OR *BITER BASE HEATIN *G MODEL (65-O) IN *THE JSC THERMAL *VACUUM CHAMBER A.	*65-O SS ORBITER B *ASE HEATING MODEL *ANSFER RATES ON A *SCALED MODEL OF *THE SPACE SHUTTLE *ORBITER BASE REG *ION WITH FIRING R *OCKET ENGINES,SSM *E, DUPLICATING TH *E PLUME FLOW FIEL *D TO SIMULATE REC *IRCULATION + IMPI *NGEMENT IN A NEAR *-VACUUM ENVIRONME *NT.	*TO MEASURE BASE P*PRESSURE *RESSURE + HEAT TR*HEAT-TRANS *ANSFER RATES ON A *SCALED MODEL OF *THE SPACE SHUTTLE *ORBITER BASE REG *ION WITH FIRING R *OCKET ENGINES,SSM *E, DUPLICATING TH *E PLUME FLOW FIEL *D TO SIMULATE REC *IRCULATION + IMPI *NGEMENT IN A NEAR *-VACUUM ENVIRONME *NT.	*O.040 /	*ROCKWELL/ *JSC *-	*J.W. FOUST, P.L. *LEMOINE/RI, A.L. *BRANSCOMB/JSC *D.W.HERSEY *G. R. LUTZ *-DMS	*DMS-DR-2443 *JUNE, 1979	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC PWT16T 519 IA183 CR-160,488	*RESULTS OF TESTS *B75C16E64F16FR22H*TO OBTAIN FORCE A*PRESSURE *USING A O.02-SCAL*G1M52N108N109N110*ND MOMENT DATA ON* /E MODEL (89-OTS) *N111R20U1V27VT10V*ALL VEHICLE ELEM *OF THE SPACE SHUT*T11VT12VT13VT14 *ENTS(ORBITER,EXTE* TLE INTEGRATED VE*VT15VT16VT17W131T*RNAL TANK, AND EA* HICLE IN THE AEDC*39S27	*CH SOLID ROCKET B* *OOSTER), WING AND* *VERTICAL TAIL * *LOAD INDICATORS, * *ELEVON HINGE MOM* *NTS, AND BASE-BOD* *YFLAP PRESSURE DA* *TA FOR VERIFICATI* *ON OF TEST IA156A* *DATA	*PRESSURE *0.2 - *1.6	*TYPE OF TEST	*MODEL SCALE *MACH RANGE*	*TESTING AGENCY	*COGNIZANT TEST DMS PERSONNEL	*BASIC PUBLICATIONS OR COMMENTS
						*ROCKWELL/ *AEDC - *TRANSONIC PROP*AL *ULSION WIND TU*D.W.HERSEY *NNEL (PWT-16T)*M. M. MANN *DMS		*J. J. DAILED/ROC*DMS-DR-2444 *KWEILL INTERNATION*VOLUME 01 *APRIL, 1981
AEDC PWT16T 519 IA183 CR-160,489	*RESULTS OF TESTS *B75C16E64F16FR22H*TO OBTAIN FORCE A*PRESSURE *USING A O.02-SCAL*G1M52N108N109N110*ND MOMENT DATA ON* /E MODEL (89-OTS) *N111R20U1V27VT10V*ALL VEHICLE ELEM *OF THE SPACE SHUT*T11VT12VT13VT14 *ENTS(ORBITER,EXTE* TLE INTEGRATED VE*VT15VT16VT17W131T*RNAL TANK, AND EA* HICLE IN THE AEDC*39S27	*CH SOLID ROCKET B* *OOSTER), WING AND* *VERTICAL TAIL * *LOAD INDICATORS, * *ELEVON HINGE MOM* *NTS, AND BASE-BOD* *YFLAP PRESSURE DA* *TA FOR VERIFICATI* *ON OF TEST IA156A* *DATA	*PRESSURE *0.2 - *1.6	*TYPE OF TEST	*MODEL SCALE *MACH RANGE*	*TESTING AGENCY	*COGNIZANT TEST DMS PERSONNEL	*BASIC PUBLICATIONS OR COMMENTS
						*ROCKWELL/ *AEDC - *TRANSONIC PROP*AL *ULSION WIND TU*D.W.HERSEY *NNEL (PWT-16T)*M. M. MANN *DMS		*J. J. DAILED/ROC*DMS-DR-2444 *KWEILL INTERNATION*VOLUME 02 *APRIL, 1981

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 87SWT 318-1 0A146 CR-167,652	- *RESULTS OF A WIND TUNNEL PRESSURE TEST OF THE *O.03-SCALE SPACE SHUTTLE ORBITER * (MODEL 47-0) IN THE *8X7-FOOT LEG ON *F THE NASA/ARC UNIFORMITY PLAN WIND TUNNEL (0A146)	*SSV 14DA/B/C/R ORBITER	*TO OBTAIN OV-102 FORCE DISTRIBUTED PRESSURES, VEHICLE FORCES AND MOMENTS, *ELEVON HINGE MOMENTS, AND WING LOADS IN THE HYPERSONIC FLOW REGION *FOR RETURN TO LAUNCH SITE (RTL) A *BORT	*FORCE PRESSURE	*3.5 - *3.5	*ROCKWELL/ARC *8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	*A. J. RITSCHEL/RI *I. M. WEINBERG/RI *S. R. HOULIHAN *J. E. VAUGHN	*DMS-DR-2445 *VOLUME 01 *JUNE, 1983
ARC 87SWT 318-1 0A146 CR-167,653	- *RESULTS OF A WIND TUNNEL PRESSURE TEST OF THE *O.03-SCALE SPACE SHUTTLE ORBITER * (MODEL 47-0) IN THE *8X7-FOOT LEG ON *F THE NASA/ARC UNIFORMITY PLAN WIND TUNNEL (0A146)	*SSV 14DA/B/C/R ORBITER	*TO OBTAIN OV-102 FORCE DISTRIBUTED PRESSURES, VEHICLE FORCES AND MOMENTS, *ELEVON HINGE MOMENTS, AND WING LOADS IN THE HYPERSONIC FLOW REGION *FOR RETURN TO LAUNCH SITE (RTL) A *BORT	*FORCE PRESSURE	*3.5 - *3.5	*ROCKWELL/ARC *8-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	*A. J. RITSCHEL/RI *I. M. WEINBERG/RI *S. R. HOULIHAN *J. E. VAUGHN	*DMS-DR-2445 *VOLUME 02 *JUNE, 1983
ARC 3.5HWT 241 IH51C CR-160,519	- *SPACE SHUTTLE THIN SKIN HEAT TRANSFER TESTS OF SIMULATED LARGE SCALE PROTUBERANCES AND HALF SCALE TILE ON FLAT PLATE MODEL 58-OTS IN THE NASA AMES RESEARCH CENTER 3.5-FT HYPERSONIC WIND TUNNEL (IH51C)		*DETERMINE AEROHEATING AROUND PROTUBERANCES AND INVESTIGATE TPS TILE HEATING RATE USING A HALF-SCALE TILE ARRAY	*PRESSURE	* LARGE / *5.3 - *5.3	*ROCKWELL/ARC *3.5-FOOT HYPERSONIC WIND TUNNEL	*J. W. FOUST/RI *D.W. HERSEY *J. E. VAUGHN	*DMS-DR-2448 *VOLUME 01 *OCT., 1980

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 3.5HWT 241	- *SPACE SHUTTLE THI* /*N SKIN HEAT TRANS* /*FER TESTS OF SIMU*		*DETERMINE AEROHEA* *PRESSURE		* LARGE /	*ROCKWELL/	*J. W. FOUST/RI	*DMS-DR-2448
IH51C	*LATED LARGE SCALE*		*TING AROUND PROTU*		*5.3 -	*ARC -	*D.W.HERSEY	*VOLUME 02
CR-160,520	*PROTUBERANCES AND*		*BERANCES AND INVE*		*5.3	*3.5-FOOT HYPER*	*J. E. VAUGHN	*OCT., 1980
	*HALF SCALE TILE *		*STIGATE TPS *			*SONIC WIND TUN*	*DMS	
	ON FLAT PLATE MOD		*TILE HEATING RATE*			*NEL		
	*EL 58-OTS IN THE *		*S USING A HALF-SC*					
	NASA AMES RESEARC		*ALE TILE ARRAY *					
	H CENTER 3.5-FT H							
	YPERSONIC WIND TU							
	*NNEL (IH51C) *							
	* *							
AEDC PWT16T 505	- *RESULTS OF SHUTTL* /*E TRANSPORTATION *	*EXTENAL OXYGEN HY*	*OBTAIN A TRANSONI*	*FORCE	* 0.4 -	*ROCKWELL/	*R.R.BURROWS/R.I.	*DMS-DR-2449
IA132	/*SYSTEM ASCENT AIR*	*RODGEN TANK FOREB*	*C CALIBRATION OF *		* 1.55	*AEDC -	*C.J.SPURLIN/AEDC	*FEB., 1981
CR-160,497	*DATA SYSTEM CALI *	*ODY MODEL	*THE ASCENT AIR DA*			*TRANSONIC PROP*	*D.W.HERSEY	
	BRATION TEST USIN		*TA SYSTEM (AADS);*			*ULSION WIND TU*	*W. B. MEINDERS	
	*G THE 0.07-SCALE *		*INVESTIGATE AN AL*			*NNEL (PWT-16T)*	*-DMS	
	EXTERNAL TANK FOR		*TERNATE AADS; PER*					
	EBODY MODEL (68-T		*FORM LIMITED TUNN*					
	*) IN THE AEDC PWT		*EL FLOW SURVEY *					
	*16-FOOT TRANSONI *							
	C WIND TUNNEL (IA							
	*132) *							
	* *							
ARC 22TWT 041,154,16	- *EXPERIMENTAL RESU*		*TO VERIFY FLUTTER*	*PRESSURE	*1.05 -	*ROCKWELL/	*R.B.KINGSLAND, M.	*DMS-DR-2450
OS4A	*LTS OF TESTS TO D*		*PREDICTIONS MADE *		*1.1	*ARC -	*A.KOTCH/ROCKWELL	*MAY, 1979
OS4B	/*ETERMINE THE EFFE*		*FOR PANELS WITH *			*2-FOOT BY 2-FO*	*D.W.HERSEY	
OS12	/*CTS OF ORBITER TH*		*AND WITHOUT THERM*			*OT TRANSONIC W*	*G. R. LUTZ	
CR-151,774	*ERMAL PROTECTION *		*AL PROTECTION MAT*			*IND TUNNEL	*-DMS	
	SUBSYSTEM (TPS) T		*ERIAL					
	ILES ON PANEL FLU							
	TTER CONDUCTED IN							
	*THE ARC 2X2 TWT. *							
	* *							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *RESULTS OF BOUNDARY LAYER TRANSITION TESTS OF THE OH90A/MA29 CR-151,772	*HAND WING AND TRUNCATED AFT FUSELAGE MODEL (94-0) IN THE AEDC HWTB.	*HEAT-TRANS			*ROCKWELL/AEDC	*D.W.HERSEY *G. R. LUTZ	*DMS-DR-2451 *MAY, 1979
ARC	- *RESULTS OF HEAT TRANSFER TESTS ON THE SPACE SHUTTLE FORWARD SRB SECTION AT ASCENT CONDITIONS USING THE 0.10-SCALE MODEL 98-S IN THE NASA/AMES 3.5-FOOT HWTB (IH99)	*TO DETERMINE THE HEAT TRANSFER RATES ON THE SPACE SHUTTLE SRB NOSE SECTION IN THE VICINITY OF THE FORWARD SEPARATION MOTOR S AND AROUND SIMULATED RIVET HEADS	*HEAT-TRANS	0.10	5.3-7.3	*ROCKWELL/ARC	*M. QUAN/ROCKWELL *C.L. BERTHOLD/ROCKWELL	*DMS-DR-2452 *SEPT., 1982
CALSPAN	- *BASE PRESSURE AND HEAT TRANSFER TESTS OF THE 0.0225-SCALE SPACE SHUTTLE PLUME SIMULATION MODEL (19-OTS) IN THE NASA/CALSPAN LUDWIG TUBE WIND TUNNEL	*TO MEASURE HEAT TRANSFER RATES AND PRESSURES AND TO DETERMINE MINE GAS RECOVERY TEMPERATURES IN THE BASE REGIONS OF A SCALED MODEL OF THE SPACE SHUTTLE VEHICLE WITH ORBITER + SRB FILLING RING ROCKET ENGINE SIMULATING PLUME RECIRCULATION + IMPINGEMENT IN AN ALTITUDE ENVIRONMENT.	*HEAT-TRANS	0.0225	3.5-4.5	*ROCKWELL/CALSPAN	*C.E. WITTLIFF/CALSPAN *D.W.HERSEY *G. R. LUTZ	*DMS-DR-2453 *JUNE, 1979

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC CFHT 114 LA57 TM-X 72661	- *IMPACT OF RETROFI - *TS FOR CENTER-OF- /*GRAVITY EXTENSION *ON ORBITER THERM *AL PROTECTION SYS *TEM	*140A/B ORBITER-BA *SELINE *140A/B ORBITER WI *TH S-2 FILLET *140A/B ORBITER WI *TH C-4 CANARD	*TO DISCOVER IF TH *E RETROFIT MODIFI *CATIONS, DEVELOPE *D TO INCREASE THE *ALLOWABLE C.G. R *ANGE OF THE ORBIT *ER, WOULD ADVERSE *LY AFFECT THE TPS *ON THE ORBITER. *RESULTS SHOWED NO *SIGNIFICANT PROB *LEMS.	*HEAT-TRANS *O.01 /	*LARC / *LARC - *CONTINUOUS-FLO *W HYPERSONIC T *UNNEL		*J. C. DUNAVANT/LA *RC *J. W. BALL *G. R. LUTZ *-DMS	*DMS-DR-2454 *VOLUME 03 *APRIL, 1979
AEDC HWTB 41B-65 OH102A CR-151,778	- *RESULTS OF FLOW A - *NGULARITY TESTS O /*N A O.0175-SCALE *SPACE SHUTTLE ORB *ITER MODEL (56-O) *ON THE AEDC VKF *B HYPERSONIC WIND *TUNNEL (OH102A *)	*140C ORBITER WITH *SLAB SIDED VERTI *CAL TAIL *ON OF THE ORBITER *VERTICAL TAIL LE *ADING EDGE	*TO DETERMINE THE *FLOW DIRECTION AT *THE SILTS LOCATI *ON OF THE ORBITER *VERTICAL TAIL LE *ADING EDGE	*HEAT-TRANS *O.0175 / *8.0 -	*ROCKWELL/ *AEDC - *HYPERSONIC WIN *D TUNNEL (B)		*W.F. BRADDOCK/RI *J. E. VAUGHN *G. R. LUTZ *-DMS	*DMS-DR-2455 *JUNE, 1979
ARC 97SWT 347-1 IA184 CR-160,486	- *RESULTS OF TESTS - *USING A O.03-SCAL /*E MODEL (47-OTS) *OF THE SPACE SHUT *TLE INTEGRATED VE *HICLE IN THE NASA */AMES RESEARCH CE *NTER 9X7 FOOT SUP *ERSONIC WIND TUNN *EL (IA184)	*O.03-SCALE SHUTTL *E INTEGRATED VEHI *CLE 47-OTS *ELEVON, WING LOA *D DATA, ORB. F+M *DATA, ELEVON HING *E MOMENTS, FOUR C *OMPONENT VT FORCE *DATA. SECONDARY- *CP DATA ON SIMUL *ATED AADS PROBE M *OUNTED IN NOSE OF *THE ET	*DISTRIBUTED CP ON *ELEMENTS + COMPO *NENTS AFFECTED BY *ELEVON, WING LOA *D DATA, ORB. F+M *DATA, ELEVON HING *E MOMENTS, FOUR C *OMPONENT VT FORCE *DATA. SECONDARY- *CP DATA ON SIMUL *ATED AADS PROBE M *OUNTED IN NOSE OF *THE ET	*O.03 / *1.55 - *2.50	*ROCKWELL/ *ARC - *9-FOOT BY 7-FO *OT SUPERSONIC *WIND TUNNEL (U *NITARY)		*R.H. SPANGLER, J. *J. DAILED/RI *D.W.HERSEY *J. L. GLYNN *-DMS	*DMS-DR-2456 *VOLUME 01 *SEPT., 1980

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL SCALE MACH RANGE*	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 97SWT 347-1 IA184 CR-160,487	- *RESULTS OF TESTS USING A O.O3-SCALE SHUTTLE INTEGRATED VEHICLE MODEL (47-OTS) OF THE SPACE SHUTTLE INTEGRATED VEHICLE IN THE NASA AMES RESEARCH CENTER 9X7 FOOT SUPERSONIC WIND TUNNEL (IA184)	*O.O3-SCALE SHUTTLE INTEGRATED VEHICLE MODEL (47-OTS)	*DISTRIBUTED CP ON PRESSURE ELEMENTS + COMPO NENTS AFFECTED BY ELEVON, WING LOA DATA, ELEVON HINGE MOMENTS, FOUR COMPONENT VT FORCE DATA. SECONDARY-CP DATA ON SIMULATED AADS PROBE MOUNTED IN NOSE OF THE ET	*FORCE	*0.03 / *1.55 - *2.50	*ROCKWELL/ *ARC - *9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	*R.H. SPANGLER, J. *J. DAILEDARI *D.W.HERSEY *J. L. GLYNN	*DMS-DR-2456 *VOLUME 02 *SEPT., 1980
LARC UPWT 1267 IA180 CR-160,813	- *RESULTS OF SHUTTLE TRANSPORTATION SYSTEM ASCENT AIR DATA SYSTEM HIGH SUPersonic CALIBRATION TEST USING THE O.O7-SCALE EXTERNAL OXYGEN HYDROGEN TANK FOREBODY MODEL (68-T) IN THE UNITARY PLAN AN HIGH SPEED LEG OF THE LARC 4X4 WIND TUNNEL (IA180)	*EXTERNAL OXYGEN HYDROGEN TANK FOREBODY MODEL (68-T)	*OBTAIN A HIGH SUPersonic ASCENT AIR DATA SYSTEM (AA) CALIBRATION; *OBTAIN SHOCK DETACHMENT DIAGNOSTIC INFORMATION	*FORCE	*3.5 - *4.63	*ROCKWELL/ *LARC - *UNITARY PLAN WIND TUNNEL	*R.R.BURROWS/R.I. *W.CORLETTE/LARC *D.W.HERSEY *W. B. MEINDERS *-DMS	*DMS-DR-2457 *MARCH, 1981
ARC 11TWT 369-1 97SWT OS36/37 CR-167,668	- *SPACE SHUTTLE HRSI TILE PANEL TESTS OS36 AND OS37 IN THE NASA/AMES RESEARCH CENTER 11X11-FOOT AND 9X7-FOOT WIND TUNNELS USING TEST FIXTURES 96 *-O AND 81-O (OS36/37)	*HRSI TILE PANEL CALIBRATION PANEL	*TO DETERMINE DYNAMIC RESPONSE AND FAILURE CHARACTERISTICS INDUCED IN HRSI TILES DUE TO COMBINED AERO-DYNAMIC AND STRUCTURAL VIBRATION LOADS	*PRESSURE	*0.61- *2.50	*ROCKWELL/ *ARC - *11-FOOT TRANSOMIC WIND TUNNEL (UNITARY) *9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	*C. L. STEVENS, R. *B. KINGSLAND/R.I. *S. R. HOULIHAN *B. J. BURST *-DMS	*DMS-DR-2458 *NOV., 1983

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL SCALE * MACH RANGE*	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT	- *RESULTS OF THE AF*AFRSI SSV PRESSUR*AFRSI DETAILED EN*PRESSURE	*AFRSI DETAILED-ENVI*E-LOADS MODEL 84-*VIRONMENT		*	*0.035 / *ROCKWELL/ * 0.60- *ARC - * 3.50 *		*S.C.CARRION/ROCKW*DMS-DR-2459 *ELL *VOLUME 01	
587-1	/ *RONMENT TEST OF T*O			*			*D. E. POUCHER *AUGUST, 1984	
OA310A	*HE O.035-SCALE SS*			*			*NIC WIND TUNNE*B. J. BURST *	
OA310B	*V PRESSURE-LOADS *			*			*L (UNITARY) *-DMS *	
OA310C	*MODEL 84-O IN THE*			*				
CR-167,685	*AMES 11X11 FT. T *			*				
	*WT AND THE LEWIS *			*				
	8X6 FT. AND 10X10			*				
	*FT. SWT (OA310A, *			*				
	*B,C)			*				
	*			*				
LERC 86SWT	- *RESULTS OF THE AF*AFRSI SSV PRESSUR*AFRSI DETAILED EN*PRESSURE	*AFRSI DETAILED-ENVI*E-LOADS MODEL 84-*VIRONMENT		*	*0.035 / *ROCKWELL/ * 0.60- *ROCKWELL/ * 3.50 *		*S.C.CARRION/ROCKW*DMS-DR-2459 *ELL *VOLUME 02	
O46	/ *RONMENT TEST OF T*O			*			*D. E. POUCHER *AUGUST, 1984	
LERC	- *HE O.035-SCALE SS*			*			*8 BY 6-FOOT SU*B. J. BURST *	
10SWT	- *V PRESSURE-LOADS *			*			*PERSONIC WIND *-DMS *	
O74	/ *MODEL 84-O IN THE*			*			*TUNNEL *	
OA310A	*AMES 11X11 FT. T *			*			*LERC - *	
OA310B	*WT AND THE LEWIS *			*			*10 BY 10-FOOT *	
OA310C	*8X6 FT. AND 10X10*			*			*SUPERSONIC WIN*	
CR-167,686	*FT. SWT (OA310A, *			*			*D TUNNEL *	
	*B,C)			*				
	*			*				
ARC 3.5HWT	- *SPACE SHUTTLE TES*MODEL 58-O		*TO INVESTIGATE TH*HEAT-TRANS*		*0.50 / *ROCKWELL/ * 7.0 *		*P. L. LEMDINE/RI *DMS-DR-2461 *A. F. OKUND/RI *MARCH, 1984	
244	- *TS OF TURBULENT B*		*ERMAL PROTECTION *					
IH51D	/ *OUNDARY LAYER HEA*		*SYSTEM (TPS) TILE*				*3.5-FOOT HYPER*S. R. HOULIHAN *	
CR-167,677	*TING EFFECTS ON H*		*HEATING RATES US *				*SONIC WIND TUN*G. W. KLUG *	
	ALF-SCALE TILE SI		*ING A HALF-SCALE *				*NEL *-DMS *	
	MULATION USING MO		*TILE ARRAY WITH P*					
	DEL 58-O IN THE N		*ROVISIONS TO VARY*					
	*ASA/ARC 3.5-FOOT *		*TILE GAP, STEP H *					
	HYPERSONIC WIND T		*EIGHT, EDGE RADII *					
	*UNNEL (IH51D) *		*AND FLOW ORIENTA *					
	*		*TION *					
	*		*					

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WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *SPACE SHUTTLE LRS*107-0 LRSI TILE P*TO OBTAIN PERFORM*PRESSURE				*O.76 -	*ROCKWELL/	*R.B. KINGSLAND/RO	*DMS-DR-2463
11TWT	- *I TPS TILE TESTS *ANEL				*O.87	*ARC -	*CKWELL	*NOV., 1983
380-1	/*OS41, OS42 AND OS4*					*11-FOOT TRANSO*	*S. R. HOULIHAN	
381-1	/*5 IN THE NASA/AME*					*NIC WIND TUNNE*	*H. C. ZIMMERLE	
OS41	*S RESEARCH CENTER*					*L (UNITARY)	*-DMS	
OS42	*11X11-FOOT WIND *							
OS45	*TUNNEL USING MODE*							
CR-167,672	*L 107-0 (OS41, OS4*							
	*2 AND OS45)							
AEDC	- *RESULTS OF HEAT T*B62C12ES2F10M16V3*TO DETERMINE AERO*HEAT-TRANS*				O.0175/	*ROCKWELL/	*J.W.FOUST AND A.C*	*DMS-DR-2464
HWTB	- *RANSFER TEST IN T*OW127 (56-0)				3.01-	*AEDC -	*.MANSFIELD/RI	*VOLUME 01
V41B-67	/*HE ARNOLD ENGINEE*				8.0	*HYPERSONIC WIN*	*K.W.NUTT/VKFADP,A*	*AUGUST, 1981
OH84B	*RING DEVELOPMENT *					*D TUNNEL (B)	*EDC	
CR-160,828	*CENTER-VON KARMAN*						*T. L. MULKEY	
	*FACILITY TUNNELS *						*G. W. KLUG	
	*A AND B UTILIZIN *						*-DMS	
	G SPACE SHUTTLE O							
	*RBITER THIN SKIN *							
	THERMOCOUPLE MODE							
	LS 56-0, 60-0, AN							
	D 83-0 TESTS: OH							
	84B, OH 105, IH-1							
	*O2							
AEDC	- *RESULTS OF HEAT T*B62C12ES2F10M16V3*TO DETERMINE AERO*HEAT-TRANS*				O.0175/	*ROCKWELL/	*J.W.FOUST AND A.C*	*DMS-DR-2464
HWTB	- *RANSFER TEST IN T*OW127 (56-0)				3.01-	*AEDC -	*.MANSFIELD/RI	*VOLUME 02
V41B-67	/*HE ARNOLD ENGINEE*				8.0	*HYPERSONIC WIN*	*K.W.NUTT/VKFADP,A*	*AUGUST, 1981
OH84B	*RING DEVELOPMENT *					*D TUNNEL (B)	*EDC	
CR-160,829	*CENTER-VON KARMAN*						*T. L. MULKEY	
	*FACILITY TUNNELS *						*G. W. KLUG	
	*A AND B UTILIZIN *						*-DMS	
	G SPACE SHUTTLE O							
	*RBITER THIN SKIN *							
	THERMOCOUPLE MODE							
	LS 56-0, 60-0, AN							
	D 83-0 TESTS: OH							
	84B, OH 105, IH-1							
	*O2							
	*							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *RESULTS OF HEAT T*B62C12ES2F10M16V3*		TO DETERMINE AERO*HEAT-TRANS*		0.0175/	*ROCKWELL/	*J.W.FOUST AND A.C.*DMS-DR-2464	
HWTB	- *RANSFER TEST IN T*OW127 (56-0)		*DYNAMIC HEATING O*		3.01-	*AEDC -	*.MANSFIELD/RI	*VOLUME 03
V41B-67	/*HE ARNOLD ENGINEE*		*N THE SPACE SHUTT*		8.0	*HYPERSONIC WIN*	*K.W.NUTT/VKFADP,A*	*AUGUST, 1981
OH84B	*RING DEVELOPMENT *		*LE ORBITER WHERE *			*D TUNNEL (B)	*EDC	
CR-160,830	*CENTER-VON KARMAN*		*DATA EXTRAPOLATIO*				*T. L. MULKEY	
	*FACILITY TUNNELS *		*N OR ANALYTICAL P*				*G. W. KLUG	
	*A AND B UTILIZIN *		*REDICTIONS WERE N*				*-DMS	
	G SPACE SHUTTLE O		*OT FEASIBLE OR DI*					
	*RBITER THIN SKIN *		*D NOT EXIST. ALSO*					
	THERMOCOUPLE MODE		*TO OBTAIN LIMITE *					
	LS 56-0, 60-0, AN		*D YAW DATA AND OB*					
	D 83-0 TESTS: OH		*TAIN CONTINGENCY *					
	84B, OH 105, IH-1		*ABORT TRAJECTORY *					
	*O2		*DATA					
	*		*					
AEDC	- *RESULTS OF HEAT T*B62C12ES2F10M16V3*		TO DETERMINE AERO*HEAT-TRANS*		0.0175/	*ROCKWELL/	*J.W.FOUST AND A.C.*DMS-DR-2464	
HWTB	- *RANSFER TEST IN T*OW127 (56-0)		*DYNAMIC HEATING O*		3.01-	*AEDC -	*.MANSFIELD/RI	*VOLUME 04
V41B-67	/*HE ARNOLD ENGINEE*		*N THE SPACE SHUTT*		8.0	*HYPERSONIC WIN*	*K.W.NUTT/VKFADP,A*	*AUGUST, 1981
OH84B	*RING DEVELOPMENT *		*LE ORBITER WHERE *			*D TUNNEL (B)	*EDC	
CR-160,831	*CENTER-VON KARMAN*		*DATA EXTRAPOLATIO*				*T. L. MULKEY	
	*FACILITY TUNNELS *		*N OR ANALYTICAL P*				*G. W. KLUG	
	*A AND B UTILIZIN *		*REDICTIONS WERE N*				*-DMS	
	G SPACE SHUTTLE O		*OT FEASIBLE OR DI*					
	*RBITER THIN SKIN *		*D NOT EXIST. ALSO*					
	THERMOCOUPLE MODE		*TO OBTAIN LIMITE *					
	LS 56-0, 60-0, AN		*D YAW DATA AND OB*					
	D 83-0 TESTS: OH		*TAIN CONTINGENCY *					
	84B, OH 105, IH-1		*ABORT TRAJECTORY *					
	*O2		*DATA					
	*		*					

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *RESULTS OF HEAT T*B62C12E52F10M16R1*		*TO DETERMINE AERO*HEAT-TRANS*		0.0175/	*ROCKWELL/	*J.W.FOUST AND A.C.*DMS-DR-2464	
HWTB	- *RANSFER TEST IN T*8V8W116T38S26	(6*	*DYNAMIC HEATING O*		3.01-	*AEDC -	*.MANSFIELD/RI	*VOLUME 05
V41B-67	/*HE ARNOLD ENGINEE*O-O)		*N THE SPACE SHUTT*		8.0	*HYPERSONIC WIN*	*K.W.NUTT/VKFADP,A*	*AUGUST, 1981
OH105	*RING DEVELOPMENT *		*LE ORBITER WHERE *			*D TUNNEL (B)	*EDC	
CR-160,832	*CENTER-VON KARMAN*		*DATA EXTRAPOLATIO*				*T. L. MULKEY	
	*FACILITY TUNNELS *		*N OR ANALYTICAL P*				*G. W. KLUG	
	*A AND B UTILIZIN *		*REDICTIONS WERE N*				*-DMS	
	G SPACE SHUTTLE O		*OT FEASIBLE OR DI*					
	*RBITER THIN SKIN *		*D NOT EXIST. ALSO*					
	THERMOCOUPLE MODE		*TO OBTAIN LIMITE *					
	LS 56-O, 60-O, AN		*D YAW DATA AND OB*					
	D 83-O TESTS: OH		*TAIN CONTINGENCY *					
	84B, OH 105, IH-1		*ABORT TRAJECTORY *					
	*O2		*DATA					
	*		*					
AEDC	- *RESULTS OF HEAT T*B60C10 (83-O)		*TO DETERMINE AERO*HEAT-TRANS*		0.040/	*ROCKWELL/	*J.W.FOUST AND A.C.*DMS-DR-2464	
SWTA	- *RANSFER TEST IN T*		*DYNAMIC HEATING O*		3.01-	*AEDC -	*.MANSFIELD/RI	*VOLUME 06
V41A-67	/*HE ARNOLD ENGINEE*		*N THE SPACE SHUTT*		8.0	*SUPERSONIC WIN*	*K.W.NUTT/VKFADP,A*	*AUGUST, 1981
IH102	*RING DEVELOPMENT *		*LE ORBITER WHERE *			*D TUNNEL (A)	*EDC	
CR-160,833	*CENTER-VON KARMAN*		*DATA EXTRAPOLATIO*				*T. L. MULKEY	
	*FACILITY TUNNELS *		*N OR ANALYTICAL P*				*G. W. KLUG	
	*A AND B UTILIZIN *		*REDICTIONS WERE N*				*-DMS	
	G SPACE SHUTTLE O		*OT FEASIBLE OR DI*					
	*RBITER THIN SKIN *		*D NOT EXIST. ALSO*					
	THERMOCOUPLE MODE		*TO OBTAIN LIMITE *					
	LS 56-O, 60-O, AN		*D YAW DATA AND OB*					
	D 83-O TESTS: OH		*TAIN CONTINGENCY *					
	84B, OH 105, IH-1		*ABORT TRAJECTORY *					
	*O2		*DATA					
	*		*					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 97SWT 464	- *AERODYNAMIC VENTI* - *NG CHARACTERISTIC* / *S TESTS OF FULL-S*	*81-0 HRSI TILE PA* *NEL* *S TESTS OF FULL-S*	*TO DEFINE AND UND* *ERSTAND THE SURFA* *CE AND INTERNAL P*	*PRESSURE* *2.50*	*1.72-*	*ROCKWELL/ *ARC -	*R. B. KINGSLAND, R* *OCKWELL	*DMS-DR-2465* *MARCH, 1984*
OS55/57	*CALE SPACE SHUTTL*	*E MODEL 81-0 HRSI*	*RESSURE RELATIONS*			*9-FOOT BY 7-FO*	*S. R. HOULIHAN	
CR-167,674	*E MODEL 81-0 HRSI*	*TPS TILES UNDER *	*HIPS FOR UNDENSIF*			*OT SUPERSONIC	*B. J. BURST	
	A SIMULATED LAUNC	*IED TILES				*WIND TUNNEL (U*	*DMS	
	*H ENVIRONMENT IN *					*NITARY)		
	THE NAS /ARC 9X7-							
	*FOOT WIND TUNNEL *							
	*(OS55/57)							
LARC 20HT6 6559	- *RESULTS OF INVEST* - *IGATIONS OF THE O* / *.010-SCALE OV-102*	*B75,C16,E64,F16,M* *52,N108,N110,N111* *,R20,V27,W131	*TO OBTAIN 6-COMPO* *NENT VEHICLE FORC* *E AND MOMENT DATA*	*FORCE* *6.0-*	*0.010 /	*ROCKWELL/ *LARC -	*M.E. NICHOLS/RI* *R.L. CALLOWAY/LAR*	*DMS-DR-2466* *VOLUME 01*
QA257	*CONFIGURATION SP *				*8.0	*20-INCH HYPERS*	*C	*JULY, 1983
CR-167,663	*ACE SHUTTLE VEHIC*					*ONIC TUNNEL (M*	*J. E. VAUGHN	
	*LE ORBITER MODEL *					*ACH 6)	*G. W. KLUG	
	72-0 IN THE NASA/						*-DMS	
	*LANGLEY RESEARCH *							
	CENTER 20-INCH MA							
	CH 6 TUNNEL (OA25							
	*7)							
LARC 20HT6 6559	- *RESULTS OF INVEST* - *IGATIONS OF THE O* / *.010-SCALE OV-102*	*B75,C16,E64,F16,M* *52,N108,N110,N111* *,R20,V27,W131	*TO OBTAIN 6-COMPO* *NENT VEHICLE FORC* *E AND MOMENT DATA*	*FORCE* *6.0-*	*0.010 /	*ROCKWELL/ *LARC -	*M.E. NICHOLS/RI* *R.L. CALLOWAY/LAR*	*DMS-DR-2466* *VOLUME 02*
QA257	*CONFIGURATION SP *				*8.0	*20-INCH HYPERS*	*C	*JULY, 1983
CR-167,664	*ACE SHUTTLE VEHIC*					*ONIC TUNNEL (M*	*J. E. VAUGHN	
TM-X 4	*LE ORBITER MODEL *					*ACH 6)	*G. W. KLUG	
	72-0 IN THE NASA/						*-DMS	
	*LANGLEY RESEARCH *							
	CENTER 20-INCH MA							
	CH 6 TUNNEL (OA25							
	*7)							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 3.5HWT 245 IH103 CR-160,834	*RESULTS OF AEROTH*60-OT *ERMODYNAMIC HEAT *56-O/60T /*TRANSFER TESTS ON* *O.0175-SCALE MOD * *ELS 60-OT AND 56-*	*TO OBTAIN AERODYN*HEAT-TRANS*0.0175 / *AMIC HEAT TRANSFE* *R DATA ON THE 56-*	*TO OBTAIN AERODYN*HEAT-TRANS*0.0175 / *AMIC HEAT TRANSFE* *R DATA ON THE 56-*	*TYPE OF TEST	*MODEL SCALE MACH RANGE	*ROCKWELL/ *ARC *3.5-FOOT HYPER*	*J. MARROQUIN, RI *S. R. HOULIHAN *B. J. BURST	*DMS-DR-2467 *AUGUST, 1981
OH105B OH84C CR-167,352	*O/60T ORBITER FUS* *ELAGE AND ON THE * *60-OT ORBITER FUS* *ELAGE, WING, VERT* *ICAL TAIL, AND OM* *S POD DURING SECO* *ND STAGE FLIGHT * *O3)	*SONIC WIND TUN*-DMS *NEL	*SONIC WIND TUN*-DMS *NEL					
ARC 3.5HWT 247 246 OH105B OH84C CR-167,352	*RESULTS OF A HEAT*ORBITER *TRANSFER TEST SE * /*RIES IN THE NASA/* /*ARC 3.5 FOOT HYPE* *RSONIC WIND TUNNE* *L UTILIZING SPACE* *SHUTTLE ORBITER * *THIN-SKIN THERMOC* *OUPLE MODELS 60-O* *AND 83-O(Tests O * *H84C AND OH105B) *	*TO DETERMINE AERO*HEAT-TRANS*5.3 - *HEATING ON THE OR* *BITER AT ATTITUDE* *S WHERE DATA DID * *NOT EXIST AND WHE* *RE DATA EXTRAPOLA* *TION OF ANALYTICA* *L PREDICTIONS WAS* *NOT FEASIBLE * * * * * * *	*TO DETERMINE AERO*HEAT-TRANS*5.3 - *HEATING ON THE OR* *BITER AT ATTITUDE* *S WHERE DATA DID * *NOT EXIST AND WHE* *RE DATA EXTRAPOLA* *TION OF ANALYTICA* *L PREDICTIONS WAS* *NOT FEASIBLE * * * * * * *			*ROCKWELL/ *ARC *3.5-FOOT HYPER*-DMS *SONIC WIND TUN* *NEL	*S. R. HOULIHAN *B. J. BURST	*DMS-DR-2468 *JUNE, 1982
ARC 11TWT 503-1 OS302A CR-167,367	*SPACE SHUTTLE AFR* *SI LARGE-SCALE DE* /*VELOPMENT TEST US* *ING MODEL 117-O S* *PECIMENS AND MODE* *L 96-O TEST FIXTU* *RE IN THE AMES RE* *SEARCH CENTER 11X* *11-FOOT TRANSONIC* *WIND TUNNEL (OS3 * *O2A)	*TO SUBJECT LARGE-*PRESSURE * 0.80- *SCALE SPECIMENS O* *F ADVANCED FLEXIB* *LE REUSABLE SURFA* *CE INSULATION (AF* *RSI) TO SSV ASCEN* *T AERODYNAMIC PRE* *SSURE GRADIENT LO* *ADINGS & TURBULEN* *CE LEVELS FOR TIM* *E DURATIONS EQUIV* *ALENT TO 100 MISS* *IONS WITH A SCATT* *ER OF FOUR (400 M* *ISSIONS).	*TO SUBJECT LARGE-*PRESSURE * 0.80- *SCALE SPECIMENS O* *F ADVANCED FLEXIB* *LE REUSABLE SURFA* *CE INSULATION (AF* *RSI) TO SSV ASCEN* *T AERODYNAMIC PRE* *SSURE GRADIENT LO* *ADINGS & TURBULEN* *CE LEVELS FOR TIM* *E DURATIONS EQUIV* *ALENT TO 100 MISS* *IONS WITH A SCATT* *ER OF FOUR (400 M* *ISSIONS).			*ROCKWELL/ *ARC *11-FOOT TRANSO*R.B. KINGSLAND/RI* *NIC WIND TUNNE*S. R. HOULIHAN *L (UNITARY) *G. R. LUTZ *-DMS	*J.G.R. COLLETTE/R* *I	*DMS-DR-2469 *JUNE, 1982

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT 145-1 OS31A CR-167,658	*SPACE SHUTTLE LRS* *I THIN TILE TEST* /*IN THE NASA/AMES* *RESEARCH CENTER 1* *1X11-FOOT UNITARY* *PLAN WIND TUNNEL* *USING TEST FIXTU* *RE 96-O (OS31A)*	LRSI (THIN TILE)	*TO EVALUATE THE E* *FFECTS OF AN EXPA* *NSION/RECOMPRESSI* *ON SHOCK ON A SAM* *PLE OF LOW TEMPER* *ATURE REUSABLE SU* *RFACE INSULATION* *(LRSI) THIN TILES* *SIMULATING THE R* *EGION OF THE SPAC* *E SHUTTLE ORBITER* *OVER THE CANOPY.*	*PRESSURE	* 0.83- * 0.88	*ROCKWELL/ *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY)	*R.B. KINGSLAND/RO* *CKWELL *C. BERTHOLD/ROCKW* *S. R. HOULIHAN *G. R. LUTZ *-DMS	*DMS-DR-2470 *AUGUST, 1983
LARC 16TT 341 LA132 CR-160,514	*RESULTS OF TESTS* *ON A .02 SCALE SP* /*ACE SHUTTLE LAUNC* *H VEHICLE MODEL (* *89OTS) IN THE LAR* *C 16-FT TRANSONIC* *WIND TUNNEL TO D* *ETERMINE PRESSURE* *DISTRIBUTION ALO* *NG THE EXTERNAL T* *ANK LOX CABLE TRA* *Y (LA132)*	*LAUNCH VEHICLE -	*TO DETERMINE PRES* *SURE DISTRIBUTION* *ALONG THE EXTERN* *AL TANK LOX CABLE* *TRAY	*PRESSURE	*.02 / *1.1 - *1.25	*LARC / *LARC - *16-FOOT TRANSO* *NIC TUNNEL	*W.I. SCALLION/LAR* *C *J. E. VAUGHN *C. R. EDWARDS *-DMS	*DMS-DR-2471 *JAN., 1981
AEDC SWTA V41B-65 OH400 CR-160,494	*RESULTS OF AN ORB* *ITER SILTS POD HE* /*AT TRANSFER AND F* *LOW FIELD TEST US* *ING A 0.0175-SCAL* *E SPACE SHUTTLE O* *RBITER(92-O) IN T* *HE AEDC VKF HYPER* *SONIC WIND TUNNEL* *B (OH400)*	*B75C16E64F16M52W1*	*TO MEASURE HEAT T* *RANSFER COEFFICIE* *NTS ON THE SILTS* *TAIL CONFIGURATIO* *N OF A SCALED SPA* *CE SHUTTLE ORBITE* *R MODEL	*PRESSURE	*	*ROCKWELL/ *AEDC - *SUPERSONIC WIN* *D TUNNEL (A)	*J.A. COLLINS/RI* *K.W. NUTT/ARO, INC* *J. E. VAUGHN *M. M. MANN *-DMS	*DMS-DR-2472 *MAY, 1980

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *AERODYNAMIC LOADS*	TPS TILE CAVITY	F*TO DETERMINE PRES*	PRESSURE	*	*ROCKWELL/	*R.B.KINGSLAND,RI	*DMS-DR-2473
22TWT	- *TEST OF 0.66-SCA *	LOW FIELD MODEL	*. DISTRIBUTIONS F*		*	*ARC -	*J. E. VAUGHN	*VOLUME 01
382-1	/*LE SPACE SHUTTLE *		*OR THE OML, TILE *		*	*2-FOOT BY 2-FO*	*B. J. BURST	*JAN., 1983
OA252	*ORBITER TILE ARRA*		*CAVITY AND ON SID*		*	*OT TRANSONIC W*-DMS		
CR-167,388	*Y MODEL (106-0) I*		*ES OF TILE SURROU*		*	*IND TUNNEL		
	N THE NASA/ARC 2-		*NDING CAVITY; TO *		*			
	FOOT TRANSONIC WI		*OBTAIN PRES. VARI*		*			
	ND TUNNEL (OA252)		*ATIONS DUE TO TIL*		*			
	*		*E HEIGHT MISMATCH*		*			
	*		*, VARIATIONS IN GA*		*			
	*		*P WIDTH, AND VARI*		*			
	*		*ATION IN RN/FT AN*		*			
	*		*D BOUNDARY LAYER *		*			
	*		*THICKNESS		*			
	*		*		*			
ARC	- *AERODYNAMIC LOADS*	TPS TILE CAVITY	F*TO DETERMINE PRES*	PRESSURE	*	*ROCKWELL/	*R.B.KINGSLAND,RI	*DMS-DR-2473
22TWT	- *TEST OF 0.66-SCA *	LOW FIELD MODEL	*. DISTRIBUTIONS F*		*	*ARC -	*J. E. VAUGHN	*VOLUME 02
382-1	/*LE SPACE SHUTTLE *		*OR THE OML, TILE *		*	*2-FOOT BY 2-FO*	*B. J. BURST	*JAN., 1983
OA252	*ORBITER TILE ARRA*		*CAVITY AND ON SID*		*	*OT TRANSONIC W*-DMS		
CR-167,389	*Y MODEL (106-0) I*		*ES OF TILE SURROU*		*	*IND TUNNEL		
	N THE NASA/ARC 2-		*NDING CAVITY; TO *		*			
	FOOT TRANSONIC WI		*OBTAIN PRES. VARI*		*			
	ND TUNNEL (OA252)		*ATIONS DUE TO TIL*		*			
	*		*E HEIGHT MISMATCH*		*			
	*		*, VARIATIONS IN GA*		*			
	*		*P WIDTH, AND VARI*		*			
	*		*ATION IN RN/FT AN*		*			
	*		*D BOUNDARY LAYER *		*			
	*		*THICKNESS		*			
	*		*		*			
MSFC	- *RESULTS OF TESTS *	ORBITER ALONE	*DETERMINE WAYS TO*	FORCE	*	*MSFC /	*W.F. BRADDOCK/LMS	*DMS-DR-2474
14TWT	- *ON A .004 SCALE S*	LAUNCH CONFIGURAT*	*ALLEVIATE O/ET F *		*	*MSFC -	*C	*JULY, 1981
656	/*PACE SHUTTLE LAUN*	ION (NO PROTUBERA*	*WD AATTACH POINT *		*	*14-INCH TRISON*	*J. E. VAUGHN	
FA28	*CH CONFIGURATION *	NCES ON ET)	*LOADS		*	*IC WIND TUNNEL*	*G. R. LUTZ	
CR-160,826	*(MODEL 74-OTS) IN*	LAUNCH CONFIGURAT*	*VERIFY PREVIOUS D*		*		*-DMS	
	*THE NASA/MSFC 14 *	ION	*ATA OBTAINED AT A*		*			
	-INCH TRISONIC WI		*EDC		*			
	*ND TUNNEL (FA28) *		*		*			
	*		*		*			

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 16TT 342 LA140 CR-160,509	- *PRESSURE DISTRIBUTION AND INTEGRATED LOADS AT FOUR STATIONS ON THE SPACE SHUTTLE TANK LOX FEEDLINE (LA 140)	*LAUNCH VEHICLE (89-OTS)	*DETERMINE DETAILED MEASUREMENTS OF PRESSURES ON THE LOX FEEDLINE AT FOUR STATIONS	*PRESSURE	*0.02 / *0.9-1.25		*LARC / *16-FOOT TRANSONIC TUNNEL	*W.I. SCALLION / *J. E. VAUGHN *G. W. KLUG	*LARC DMS-DR-2475 *AUGUST, 1980
LARC 20HT6 6546 LA141A/B CR-160,825	- *RESULTS OF INVESTIGATIONS ON AN ORBITER (74-0) IN THE NASA/LANGLEY RESEARCH CENTER 20-INCH MACH 6 TUNNEL (LA141)	*ORBITER 74-0	*TO (1) DETERMINE ORBITER DIRECTIONAL STABILITY AND CONTROL CHARACTERISTICS FROM 20-40 DEGREE ANGLE OF ATTACK (2) TEST ANGLES OF ATTACK AND SIDELIP FOR CONTINGENCY ABORT, (3) TEST SMALL NEGATIVE ANGLE OF ATTACK INCREMENTS TO VERIFY OTHER RESULTS (4) VALIDATE MACH=6 DATA	*FORCE	*0.004 / *6.0-6.0		*LARC / *20-INCH HYPERSONIC TUNNEL (MACH 6)	*R.L. CALLOWAY / *J. E. VAUGHN *C. R. EDWARDS	*LARC DMS-DR-2477 *JUNE, 1981
LARC UPWT 1299 LA131 CR-160,503	- *HIGH SUPERSONIC RUDDER EFFECTIVENESS AND EFFECT OF SILTS POD ON A 20-SCALE (REMOTELY DRIVEN CONTROL SURFACE) MODEL 10-0 SPACE SHUTTLE ORBITER TESTED IN THE NASA/LARC 4-FOOT UNITARY PLAN WIND TUNNEL (LA 131)	*B75C16E64F16FR22H *G1M52N108N109N110 *N111R20V27 *VT10VT11VT12VT13VT14VT15VT16VT17W1	*THE TEST OBJECTIVES WERE TO DEFINE ORB RUDDER EFFECTIVENESS, DETERMINE AERO DIFF. BETWEEN FILLED AND SCALED OPEN SPEEDBRAKE, DETERMINE EFFECT OF SILTS POD ON AERO CHARACTER OF THE ORBITER, SUPPLEMENT CONTROL EFFECTIVENESS DATA	*FORCE	*0.2 / *2.5-4.5		*LARC / *LARC *UNITARY PLAN WIND TUNNEL	*BERNARD SPENCER / *R./LARC *GEORGE M. WARE	*J DMS-DR-2478 *VOLUME 01 *AUGUST, 1980

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC	- *HIGH SUPERSONIC R*B75C16E64F16FR22H*	THE TEST OBJECTIV*	FORCE		0.2/	*LARC /	*BERNARD SPENCER J*	DMS-DR-2478
UPWT	- *UDDER EFFECTIVENE*	G1M52N108N109N110*	ES WERE TO DEFINE*		2.-	*LARC -	*R./LARC	*VOLUME 02
1299	/ *SS AND EFFECT OF	*N111R20V27	*ORB RUDDER EFFEC *		5 4.	*UNITARY PLAN W*	GEORGE M. WARE/LA*	AUGUST, 1980
LA131	*SILTS POD ON A O.*VT10VT11VT12VT13V*	TIVENESS, DETERMI*				*IND TUNNEL	*RC	
CR-160,504	*20-SCALE (REMOTEL*	T14VT15VT16VT17W1*	NE AERO DIFF. BET*				*G. W. KLUG	
	*Y DRIVEN CONTROL *31		*WEEN FILLED AND S*				*-DMS	
	SURFACE) MODEL 10		*CALED OPEN SPEEDB*					
	6-O SPACE SHUTTLE		*RAKE, DETERMINE E*					
	*ORBITER TESTED I *		*FFECT OF SILTS PO*					
	N THE NASA/LARC 4		*D ON AERO CHAR. O*					
	-FOOT UNITARY PLA		*F THE ORBITER, SU*					
	N WIND TUNNEL (LA		*PPLEMENT CONTROL *					
	*131)		*EFFECTIVENESS DAT*					
	*		*A					
	*		*					
LARC	- *HIGH SUPERSONIC R*B75C16E64F16FR22H*	THE TEST OBJECTIV*	FORCE		0.2/	*LARC /	*BERNARD SPENCER J*	DMS-DR-2478
UPWT	- *UDDER EFFECTIVENE*	G1M52N108N109N110*	ES WERE TO DEFINE*		2.-	*LARC -	*R./LARC	*VOLUME 03
1299	/ *SS AND EFFECT OF	*N111R20V27	*ORB RUDDER EFFEC *		5 4.	*UNITARY PLAN W*	GEORGE M. WARE/LA*	AUGUST, 1980
LA131	*SILTS POD ON A O.*VT10VT11VT12VT13V*	TIVENESS, DETERMI*				*IND TUNNEL	*RC	
CR-160,505	*20-SCALE (REMOTEL*	T14VT15VT16VT17W1*	NE AERO DIFF. BET*				*G. W. KLUG	
	*Y DRIVEN CONTROL *31		*WEEN FILLED AND S*				*-DMS	
	SURFACE) MODEL 10		*CALED OPEN SPEEDB*					
	6-O SPACE SHUTTLE		*RAKE, DETERMINE E*					
	*ORBITER TESTED I *		*FFECT OF SILTS PO*					
	N THE NASA/LARC 4		*D ON AERO CHAR. O*					
	-FOOT UNITARY PLA		*F THE ORBITER, SU*					
	N WIND TUNNEL (LA		*PPLEMENT CONTROL *					
	*131)		*EFFECTIVENESS DAT*					
	*		*A					
	*		*					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 3.5HWT 250 IH104 CR-167,657	*RESULTS OF HEAT TRANSFER TESTS ON THE SPACE SHUTTLE SECOND STAGE ASCENT VEHICLE AT FR	*ORBITER+TANK	*TO OBTAIN CONVECTIVE HEAT-TRANSFER RATE DISTRIBUTIONS ON THE UPPER BARRI	*PRESSURE	*0.0175 / *5.3 - *7.3	*ROCKWELL/ *ARC - *3.5-FOOT HYPERSONIC WIND TUNNEL	*C.L.BERTHOLD,RI *J.R.NAKAMOTO,RI	*DMS-DR-2480 *AUGUST, 1983
MSFC 14TWT 665 IA602 CR-167,377	*RESULTS OF TESTS IN THE NASA/MSFC 14-INCH TRISONIC WIND TUNNEL ON A 0.004-SCALE MODEL (74-OTS) THRUST AUGMENTED SPACE SHUTTLE INTEGRATED VEHICLE (IA602)	*OTS (MODEL 74) *OTS + LBM *OTS + LBM + FAIRING *OTS + LBM + WAX	*TO DETERMINE INCREMENTAL AERODYNAMIC LOADS WITH & WITHOUT THE THRUST AUGMENTATION PROVIDED BY THE LIQUID BOOST MODULE.	*FORCE	*0.004 / *0.60 - *4.96	*ROCKWELL/ *MSFC - *14-INCH TRISONIC WIND TUNNEL	*J. E. VAUGHN *G. R. LUTZ	*DMS-DR-2481 *JUNE, 1983
ARC 11TWT 427-1 427-2 OA400 CR-160,814	*RESULTS OF TESTS FOR FORCE, MOMENT, PRESSURE AND AEROELASTIC DATA USING THE 0.030 SCALE PRESSURE LOADS SPACE SHUTTLE ORBITER MODEL (47-0) IN THE NASA/ARC 11 FOOT UNITARY PLAN WIND TUNNEL, (OA400)	*ORBITER - 470	*TO OBTAIN AIRLOAD INFORMATION WITH AND WITHOUT SILICONES, OBTAIN OVERTURE WING DISTRIBUTED AIRLOADS, OBTAIN ELEVON DISTRIBUTED AIRLOADS AND HINGE MOMENTS, AND TO DETERMINE EFFECT OF VERTICAL TAIL AEROELASTICITY ON LATERAL-DIRECTIONAL CHARACTERISTICS OF THE ORBITER VEHICLE	*FORCE *PRESSURE	*.03 / *.6 - *1.4	*ROCKWELL/ *ARC - *11-FOOT TRANSONIC WIND TUNNEL (UNITARY) -DMS	*R. SPANGLER AND *S. KANEVSKY/R.I. *S. R. HOULIHAN *C. R. EDWARDS	*DMS-DR-2482 *VOLUME 01 *JAN., 1981

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *RESULTS OF TESTS	*ORBITER - 470	*TO OBTAIN AIRLOAD*FORCE	*.03	/ *ROCKWELL/	*R. SPANGLER AND	A*DMS-DR-2482	
11TWT	- *FOR FORCE, MOMENT*		*S INFORMATION WIT*PRESSURE	*.6	- *ARC	*. KANEVSKY/R.I.	*VOLUME 02	
427-1	/*, PRESSURE AND AE*		*H AND WITHOUT SIL*	*1.4	*11-FOOT TRANSO*	*S. R. HOULIHAN	*JAN., 1981	
427-2	/*ROELASTIC DATA US*		*TS POD, OBTAIN OV*	*	*NIC WIND TUNNE*	*C. R. EDWARDS	*	
OA400	*ING THE 0.030 SCA*		*102 WING DISTRIBU*	*	*L (UNITARY)	*-DMS	*	
CR-160,815	*LE PRESSURE LOADS*		*TED AIRLOADS, OBT*	*	*	*	*	
	*SPACE SHUTTLE OR *		*AIN ELEVON DISTR*	*	*	*	*	
	BITER MODEL (47-0		*BUTED AIRLOADS AN*	*	*	*	*	
	(IN THE NASA/ARC		*D HINGE MOMENTS, *	*	*	*	*	
	*11 FOOT UNITARY *		*AND TO DETERMINE *	*	*	*	*	
	*PLAN WIND TUNNEL, *		*EFFECT OF VERTICA*	*	*	*	*	
	*(OA400)		*L TAIL AEROELAST*	*	*	*	*	
	*		*CITY ON LATERAL-D*	*	*	*	*	
	*		*IRECTIONAL CHARAC*	*	*	*	*	
	*		*TERISTICS OF THE *	*	*	*	*	
	*		*ORBITER VEHICLE *	*	*	*	*	
	*		*	*	*	*	*	
ARC	- *RESULTS OF TESTS	*ORBITER - 470	*TO OBTAIN AIRLOAD*FORCE	*.03	/ *ROCKWELL/	*R. SPANGLER AND	A*DMS-DR-2482	
11TWT	- *FOR FORCE, MOMENT*		*S INFORMATION WIT*PRESSURE	*.6	- *ARC	*. KANEVSKY/R.I.	*VOLUME 03	
427-1	/*, PRESSURE AND AE*		*H AND WITHOUT SIL*	*1.4	*11-FOOT TRANSO*	*S. R. HOULIHAN	*JAN., 1981	
427-2	/*ROELASTIC DATA US*		*TS POD, OBTAIN OV*	*	*NIC WIND TUNNE*	*C. R. EDWARDS	*	
OA400	*ING THE 0.030 SCA*		*102 WING DISTRIBU*	*	*L (UNITARY)	*-DMS	*	
CR-160,816	*LE PRESSURE LOADS*		*TED AIRLOADS, OBT*	*	*	*	*	
	*SPACE SHUTTLE OR *		*AIN ELEVON DISTR*	*	*	*	*	
	BITER MODEL (47-0		*BUTED AIRLOADS AN*	*	*	*	*	
	(IN THE NASA/ARC		*D HINGE MOMENTS, *	*	*	*	*	
	*11 FOOT UNITARY *		*AND TO DETERMINE *	*	*	*	*	
	*PLAN WIND TUNNEL, *		*EFFECT OF VERTICA*	*	*	*	*	
	*(OA400)		*L TAIL AEROELAST*	*	*	*	*	
	*		*CITY ON LATERAL-D*	*	*	*	*	
	*		*IRECTIONAL CHARAC*	*	*	*	*	
	*		*TERISTICS OF THE *	*	*	*	*	
	*		*ORBITER VEHICLE *	*	*	*	*	
	*		*	*	*	*	*	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC PWT16T	- *RESULTS OF A TEST * - *OF THE FULL-SCAL *		*TO CERTIFY THE TP*FORCE		*1.0 /	*ROCKWELL/	*S.C. CARRION/RI	*DMS-DR-2483
TF-556	/*E NASA ORBITER VE*		*S TILES COVERING *		* 0.80-	*AEDC -	*C.L. STEVENS/RI	*VOLUME 01
OS49	*RTICAL TAIL (MODE*		*THE FIN/RUDDER GA*		* 1.40	*TRANSONIC PROP*	*S. R. HOULIHAN	*JUNE, 1982
CR-167,357	*L 111-O) IN THE A*		*P REGION OF THE N*			*ULSION WIND TU*	*G. R. LUTZ	
	EDC 16 FOOT PROPU		*ASA ORBITER VERTI*			*NNEL (PWT-16T)*-	DMS	
	LSION WIND TUNNEL		*CAL TAIL.					
	*(OS49)							
	*							
AEDC PWT16T	- *RESULTS OF A TEST * - *OF THE FULL-SCAL *		*TO CERTIFY THE TP*FORCE		*1.0 /	*ROCKWELL/	*S.C. CARRION/RI	*DMS-DR-2483
TF-556	/*E NASA ORBITER VE*		*S TILES COVERING *		* 0.80-	*AEDC -	*C.L. STEVENS/RI	*VOLUME 02
OS49	*RTICAL TAIL (MODE*		*THE FIN/RUDDER GA*		* 1.40	*TRANSONIC PROP*	*S. R. HOULIHAN	*JUNE, 1982
CR-167,358	*L 111-O) IN THE A*		*P REGION OF THE N*			*ULSION WIND TU*	*G. R. LUTZ	
	EDC 16 FOOT PROPU		*ASA ORBITER VERTI*			*NNEL (PWT-16T)*-	DMS	
	LS23[%2[& 1[[]6		*CAL TA269					
	*,3\49.							
	*							
	*							
ARC 11TWT	- *RESULTS OF VENT P*CALIBRATION PANEL*		*DETERMINE AIRLOAD*PRESSURE		*FULL /	*ROCKWELL/	*R. B. KINGSLAND/R*	*DMS-DR-2485
425	/*ORT TPS LOADS TES*HRSI PANEL		*S DISTRIBUTION ON*FORCE		*0. -	*ARC -	*OCKWELL	*JUNE, 1982
425-1	/*TS IN THE AMES RE*FRSI PANEL		*TPS MATERIAL ARO *		*1.4	*11-FOOT TRANSO*	*S. R. HOULIHAN	
OS50	/*SEARCH CENTER (AR*		*UND VENT PORTS W/*			*NIC WIND TUNNE*	*B. J. BURST	
OS50A	/*C) 11X11-FOOT WIN*		*AND W/O JET MASS *			*L (UNITARY) *-DMS		
CR-167,361	*D TUNNEL USING MO*		*FLOW, AND TO CER *					
	DEL 113-O (OS50/O		*TIFY HRSI TILES A*					
	*S50A)		*ND FRSI TO 1.4 T1*					
	*		*MES DESIGN DYNAMI*					
	*		*C PRESSURES(ULTIM*					
	*		*ATE) AIRLOADS *					
	*		*					

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL *MACH RANGE	SCALE TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC *PUBLICATIONS OR COMMENTS
AEDC PWT16T 572 OA253 CR-167,368	- *RESULTS OF WIND T*B64C14E63F14M18N9* - *UNNEL TEST OA253 *2N94R18U2V23W129 /*IN THE AEDC 16-T *S28 *PROPULSION WIND T*T40 *UNNEL USING A O.O* *35-SCALE SS LAUNC* *H VEHICLE MODEL 8* *4-OTS & ENTRY VEH* *ICLE MODEL 84-0 *	*TO DETERMINE THE *PRESSURE *STATIC & FLUCTUAT* *ING PRESSURE ENVI* *RONMENT FOR CERTI* *FYING THERMAL PRO* *TECTION SYSTEM (T* *PS) TILES IN CONT* *ROL SURFACE GAPS * *ON THE WING & VER* *TICAL TAIL, & TO * *PROVIDE STATIC PR* *ESSURE DATA FOR A* *IRLOADS ANALYSIS * *OF WINDSHIELD,ELE* *VON/WING TIP,ETC.*	*PRESSURE *0.035 / *0.6- *1.50	*ROCKWELL/ *AEDC - *TRANSONIC PROP* *ULSION WIND TU*S. R. HOULIHAN *NNEL (PWT-16T)*G. W. KLUG *-DMS	*J.A. BLACK/ARVIN/ *CALSPAN *R.R. BURROWS/RI *S. R. HOULIHAN *G. W. KLUG	*DMS-DR-2486 *VOLUME 01 *OCT., 1982		
AEDC PWT16T 572 OA253 CR-167,369	- *RESULTS OF WIND T*B64C14E63F14M18N9* - *UNNEL TEST OA253 *2N94R18U2V23W129 /*IN THE AEDC 16-T *S28 *PROPULSION WIND T*T40 *UNNEL USING A O.O* *35-SCALE SS LAUNC* *H VEHICLE MODEL 8* *4-OTS & ENTRY VEH* *ICLE MODEL 84-0 *	*TO DETERMINE THE *PRESSURE *STATIC & FLUCTUAT* *ING PRESSURE ENVI* *RONMENT FOR CERTI* *FYING THERMAL PRO* *TECTION SYSTEM (T* *PS) TILES IN CONT* *ROL SURFACE GAPS * *ON THE WING & VER* *TICAL TAIL, & TO * *PROVIDE STATIC PR* *ESSURE DATA FOR A* *IRLOADS ANALYSIS * *OF WINDSHIELD,ELE* *VON/WING TIP,ETC.*	*PRESSURE *0.035 / *0.6- *1.50	*ROCKWELL/ *AEDC - *TRANSONIC PROP* *ULSION WIND TU*S. R. HOULIHAN *NNEL (PWT-16T)*G. W. KLUG *-DMS	*J.A. BLACK/ARVIN/ *CALSPAN *R.R. BURROWS/RI *S. R. HOULIHAN *G. W. KLUG	*DMS-DR-2486 *VOLUME 02 *OCT., 1982		

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT	- *RESULTS OF AMES G*HRSI TILED PANEL	*TO DEMONSTRATE TH	*PRESSURE	* .70-	*ROCKWELL/	*R.B. KINGSLAND/RO	*DMS-DR-2487	
380-1	/*AP FILLER TESTS U	*AT THE TILES AND *		* .88	*ARC -	*CKWELL	*OCT., 1982	
436-1,3	/*SING TEST FIXTURE*	*GAP FILLERS REMAI			*11-FOOT TRANSO	*S. R. HOULIHAN		
OS43	/*96-0 IN THE NASA *	*NED ATTACHED TO T			*NIC WIND TUNNE	*G. R. LUTZ		
OS51	/*AMES 11X11-FOOT *	*HE STRUCTURE UNDE			*L (UNITARY)	*-DMS		
OS51B	*TUNNEL (OS43,OS51*	*R SIMULATED FLIGH*						
OS51C	*,OS51B,OS51C)	*T ENVIRONMENTS						
CR-167,362	*	*						
	*	*						
ARC 22TWT	- *PRELIMINARY SCREE	*AFRSI PANEL	*GATHER INFORMATIO	*PRESSURE	*0.8 -	*ROCKWELL/	*R. B. KINGSLAND, J	*DMS-DR-2488
458	/*NING TESTS OF THE	*CALIBRATION PANEL	*N TO AID IN THE S	*1.4	*ARC -	*. GEE, RI	*SEPT., 1981	
OS300	/*SPACE SHUTTLE AF *	*ELECTION OF AFRSI			*2-FOOT BY 2-FO	*S. R. HOULIHAN		
CR-160,835	*RSI MATERIAL USIN *	*BLANKET CONFIGUR *			*OT TRANSONIC W	*B. J. BURST		
	*G MODEL 115-0 IN *	*ATION SUITABLE FO			*IND TUNNEL	*-DMS		
	*THE NASA/AMES RES	*R SUBSEQUENT MATE						
	*EARCH CENTER 2X2 *	*RIAL CHARACTERIZA						
	*FOOT TRANSONIC WI	*TION AND SYSTEM Q						
	ND TUNNEL (OS300)	*UALIFICATION TEST						
	*	*PROGRAMS						
	*	*						
AEDC PWT16T	- *RESULTS OF A WIND	*TO DETERMINE THE	*PRESSURE	*1.0 /	*ROCKWELL/	*R.H. SPANGLER/RI	*DMS-DR-2489	
TF-608	/*TUNNEL TEST ON T *	*BREAK-AWAY CHARAC		* 0.0-	*AEDC -	*R.G. MEYER/CALSPA	*JUNE, 1982	
OS56	/*HE SPACE SHUTTLE *	*TERISTICS OF THE *		* 0.4	*TRANSONIC PROP	*N		
CR-167,366	*UMBILICAL PURGE C	*SS ORBITER UMBILI			*ULSION WIND TU	*S. R. HOULIHAN		
	*CURTAIN IN THE AED	*CAL PURGE CURTAIN			*NNEL (PWT-16T)	*G. R. LUTZ		
	C 16-T PROPULSION	*DURING LAUNCH.				*-DMS		
	*WIND TUNNEL (PWT *	*						
), USING MODEL 10	*						
	*8-0 (OS56)	*						
	*	*						

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC HWTB V41B-G9 OH109 CR-167,349	- *TEST RESULTS FROM*60-0 - *THE NASA/ROCKWEL *56-0 /*L INTERNATIONAL S*83-0 *PACE SHUTTLE O.01* *75-SCALE ORBITER *	*MODELS 56-0/60-0 * *AND 0.04-SCALE OR* *BITER FOREBODY MO* *DEL 83-0 CONDUCTE* *D IN THE AEDC/VKF* *-B 50-INCH HYPERS* *ONIC WIND TUNNEL * *(TESTS OH109 & OH* *109B)	*TO OBTAIN ADDITIO*PRESSURE *NAL AERODYNAMIC H* *EATING DATA IN FI* *NER DETAIL THAN P* *REVIOUSLY TESTED * *FOR ORBITER STS-1* *ENTRY YAW ANGLES *		*O.0175 , *ROCKWELL/ *O.04 / *AEDC - *8.0 - *HYPERSONIC WIN* *8.0 *D TUNNEL (B)		*JIM A. COLLINS, J* *IM GEE, ROCKWELL * *KENNETH W. NUTT, * *AEDC(CALSPAN) * *S. R. HOULIHAN * *B. J. BURST * *-DMS *	*DMS-DR-2490 *VOLUME 01 *JULY, 1982
AEDC HWTB V41B-G9 OH109 CR-167,350	- *TEST RESULTS FROM*60-0 - *THE NASA/ROCKWEL *56-0 /*L INTERNATIONAL S*83-0 *PACE SHUTTLE O.01* *75-SCALE ORBITER *	*MODELS 56-0/60-0 * *AND 0.04-SCALE OR* *BITER FOREBODY MO* *DEL 83-0 CONDUCTE* *D IN THE AEDC/VKF* *-B 50-INCH HYPERS* *ONIC WIND TUNNEL * *(TESTS OH109 & OH* *109B)	*TO OBTAIN ADDITIO*PRESSURE *NAL AERODYNAMIC H* *EATING DATA IN FI* *NER DETAIL THAN P* *REVIOUSLY TESTED * *FOR ORBITER STS-1* *ENTRY YAW ANGLES *		*O.0175 , *ROCKWELL/ *O.04 / *AEDC - *8.0 - *HYPERSONIC WIN* *8.0 *D TUNNEL (B)		*JIM A. COLLINS, J* *IM GEE, ROCKWELL * *KENNETH W. NUTT, * *AEDC(CALSPAN) * *S. R. HOULIHAN * *B. J. BURST * *-DMS *	*DMS-DR-2490 *VOLUME 02 *JULY, 1982

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	SCALE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *TEST RESULTS FROM*60-0		*TO OBTAIN ADDITIO*PRESSURE		*0.0175		*ROCKWELL/	*JIM A. COLLINS, J*	DMS-DR-2490
HWTB	- *THE NASA/ROCKWEL *56-0		*NAL AERODYNAMIC H*		*0.04	/	*AEDC -	*IM GEE, ROCKWELL	*VOLUME O3
V41B-G9	/*L INTERNATIONAL S*83-0		*EATING DATA IN FI*		*8.0	-	*HYPERSONIC WIN*	KENNETH W. NUTT,	*JULY, 1982
OH109	*PACE SHUTTLE O.01*		*NER DETAIL THAN P*		*8.0		*D TUNNEL (B)	*AEDC(CALSPAN)	*
CR-167,351	*75-SCALE ORBITER *		*REVIOUSLY TESTED *		*		*	*S. R. HOULIHAN	*
	*MODELS 56-0/60-0 *		*FOR ORBITER STS-1*		*		*	*B. J. BURST	*
	AND 0.04-SCALE OR		*ENTRY YAW ANGLES *		*		*	*-DMS	*
	BITER FOREBODY MO		*		*		*	*	*
	DEL 83-0 CONDUCTE		*		*		*	*	*
	D IN THE AEDC/VKF		*		*		*	*	*
	-B 50-INCH HYPERS		*		*		*	*	*
	*ONIC WIND TUNNEL *		*		*		*	*	*
	(TESTS OH109 & OH		*		*		*	*	*
	*109B)		*		*		*	*	*
	*		*		*		*	*	*
AEDC	- *RESULTS OF INVEST*875C16E64F16FD3FR*		*TO VERIFY ORBITER*FORCE		*0.020	/	*ROCKWELL/	*R.H. BURT/ARVIN/C*	DMS-DR-2491
HWTB	- *IGATIONS ON THE O*22HG1M52N108N109N*		*STATIC STABILITY *		*6.0		*AEDC -	*ALSPAN	*VOLUME O1
V41B-H0	/*0.020-SCALE OV-102*110N111R20V27VT10*		*CHARACTERISTICS, *		*		*HYPERSONIC WIN*	A.C. MANSFIELD/RI*	*SEPT., 1983
OA258	*CONFIGURATION SP *VT11VT12VT13VT14V*		*THE LATERAL DIRE *		*		*D TUNNEL (B)	*MSFC	*
CR-167,659	*ACE SHUTTLE VEHIC*T15VT16VT17W131		*CTIONAL TRIM LIM*		*		*	*S. R. HOULIHAN	*
	*LE ORBITER MODEL *		*TS IN THE MACH 6 *		*		*	*G. W. KLUG	*
	106-0 IN THE USAF		*TO 8 REGIME, TO I*		*		*	*-DMS	*
	*/AEDC VKF TUNNEL *		*NVESTIGATE THE HY*		*		*	*	*
	*B (OA258)		*PERSONIC STABILIT*		*		*	*	*
	*		*Y-DERIVATIVE ANOM*		*		*	*	*
	*		*ALIES ENCOUNTERED*		*		*	*	*
	*		*IN TESTS LA141 & *		*		*	*	*
	*		*LA144, & PROVIDE *		*		*	*	*
	*		*HIGH-ACCURACY FO *		*		*	*	*
	*		*RCE & MOMENT HYPE*		*		*	*	*
	*		*RSONIC DATA		*		*	*	*
	*		*		*		*	*	*

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL *MACH	SCALE RANGE	TESTING AGENCY	*COGNIZANT TEST DMS PERSONNEL	*BASIC *PUBLICATIONS OR COMMENTS	
AEDC	-	*RESULTS OF INVEST	*B75C16E64F16FD3FR*	TO VERIFY ORBITER	*FORCE	*O.020	/	*ROCKWELL/	*R.H. BURT/ARVIN/C*	DMS-DR-2491
HWTB	-	*IGATIONS ON THE O*22HG1M52N108N109N*	STATIC STABILITY	*	*6.0			*AEDC -	*ALSPAN	*VOLUME 02
V41B-HO	/	*.020-SCALE OV-102*110N111R20V27VT10*	CHARACTERISTICS,	*				*HYPERSONIC WIN*	*A.C. MANSFIELD/RI*	SEPT., 1983
OA258		*CONFIGURATION SP *VT11VT12VT13VT14V*	THE LATERAL DIRE	*				*D TUNNEL (B)	*MSFC	
CR-167,660		*ACE SHUTTLE VEHIC*T15VT16VT17W131	*CTIONAL TRIM LIM*	*					*S. R. HOULIHAN	*
		*LE ORBITER MODEL *	*TS IN THE MACH 6 *	*					*G. W. KLUG	*
		106-O IN THE USAF	*TO 8 REGIME, TO I*	*					*-DMS	*
		*/AEDC VKF TUNNEL	*NVESTIGATE THE HY*	*						*
		*B (OA258)	*PERSONIC STABILIT*	*						*
			Y-DERIVATIVE ANOM	*						*
			ALIES ENCOUNTERED	*						*
			*IN TESTS LA141 & *	*						*
			*LA144, & PROVIDE *	*						*
			*HIGH-ACCURACY FO *	*						*
			RCE & MOMENT HYPE	*						*
			*RSONIC DATA	*						*
				*						*
AEDC	-	*RESULTS OF INVEST	*B75C16E64F16FD3FR*	TO VERIFY ORBITER	*FORCE	*O.020	/	*ROCKWELL/	*R.H. BURT/ARVIN/C*	DMS-DR-2491
HWTB	-	*IGATIONS ON THE O*22HG1M52N108N109N*	STATIC STABILITY	*	*6.0			*AEDC -	*ALSPAN	*VOLUME 03
V41B-HO	/	*.020-SCALE OV-102*110N111R20V27VT10*	CHARACTERISTICS,	*				*HYPERSONIC WIN*	*A.C. MANSFIELD/RI*	SEPT., 1983
OA258		*CONFIGURATION SP *VT11VT12VT13VT14V*	THE LATERAL DIRE	*				*D TUNNEL (B)	*MSFC	
CR-167,661		*ACE SHUTTLE VEHIC*T15VT16VT17W131	*CTIONAL TRIM LIM*	*					*S. R. HOULIHAN	*
		*LE ORBITER MODEL *	*TS IN THE MACH 6 *	*					*G. W. KLUG	*
		106-O IN THE USAF	*TO 8 REGIME, TO I*	*					*-DMS	*
		*/AEDC VKF TUNNEL	*NVESTIGATE THE HY*	*						*
		*B (OA258)	*PERSONIC STABILIT*	*						*
			Y-DERIVATIVE ANOM	*						*
			ALIES ENCOUNTERED	*						*
			*IN TESTS LA141 & *	*						*
			*LA144, & PROVIDE *	*						*
			*HIGH-ACCURACY FO *	*						*
			RCE & MOMENT HYPE	*						*
			*RSONIC DATA	*						*
				*						*

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC HWTB V41B-HO OA258 CR-167,662	- *RESULTS OF INVESTIGATIONS ON THE O-22HG1M52N108N109N110N111R20V27VT10V27VT11V27VT12V27VT13V27VT14V27VT15V27VT16V27VT17W131	*B75C16E64F16FD3FR*TO VERIFY ORBITER*STATIC STABILITY *CHARACTERISTICS, *THE LATERAL DIRE *CTIONAL TRIM LIMITS IN THE MACH 6 *TO 8 REGIME, TO INVESTIGATE THE HYPERSONIC STABILITY-DERIVATIVE ANOMALIES ENCOUNTERED IN TESTS LA141 & LA144, & PROVIDE *HIGH-ACCURACY FORCE & MOMENT HYPERSONIC DATA	*FORCE		*0.020 / *6.0	*ROCKWELL/AEDC *HYPERSONIC WIND TUNNEL (B)	*R.H. BURT/ARVIN/C *ALSPAN *A.C. MANSFIELD/RI *MSFC *S. R. HOULIHAN *G. W. KLUG *-DMS	*DMS-DR-2491 *VOLUME 04 *SEPT., 1983
AEDC HWTB V43B-17 OH107 CR-167,359	- *RESULTS OF THE SS-OV-102 (RIGHT HAN-ELEVON GAP HEATIN*HEAT-TRANS*V ELEVON GAP HEAT*D WING AND TRUNCATED AFT FUSELAGE)*ING TESTS USING TATED AFT FUSELAGE)*HE O.025-SCALE SP*ACE SHUTTLE ORBITER MODEL (94-O) I*N THE AEDC/VKF HYPERSONIC WIND TUNNEL B (OH107)	*55OV-102 (RIGHT HAN-ELEVON GAP HEATIN*HEAT-TRANS*V ELEVON GAP HEAT*D WING AND TRUNCATED AFT FUSELAGE)*ING TESTS USING TATED AFT FUSELAGE)*HE O.025-SCALE SP*ACE SHUTTLE ORBITER MODEL (94-O) I*N THE AEDC/VKF HYPERSONIC WIND TUNNEL B (OH107)	*ELEVON GAP HEATIN*HEAT-TRANS*G RATES		*0.025 / *8.0 - *8.0	*ROCKWELL/AEDC *HYPERSONIC WIND TUNNEL (B)	*J. COLLINS/RI *S. R. HOULIHAN *H. C. ZIMMERLE *-DMS	*DMS-DR-2492 *JUNE, 1982
AEDC HWTB V42B-145 V43B-14 OA259 CR-167,665	- *RESULTS OF INVESTIGATIONS OF THE O-52,N108,N109,N110,N111,R20,V27,W13*TO CONTINUE INVES*FORCE *TIGATIONS OF THE * *TIGATIONS OF THE * *MACH 6 TO 8 LATER *AL DIRECTIONAL STABILITY ANOMALIES *ORIGINALLY ENCO *NTERED IN TESTS L *A141,LA144, AND O *258	*B75,C16,E64,F16,M*TO CONTINUE INVES*FORCE *TIGATIONS OF THE * *TIGATIONS OF THE * *MACH 6 TO 8 LATER *AL DIRECTIONAL STABILITY ANOMALIES *ORIGINALLY ENCO *NTERED IN TESTS L *A141,LA144, AND O *258	*FORCE		*0.010 / *6.0-	*ROCKWELL/AEDC *HYPERSONIC WIND TUNNEL (B)	*R.H. BURT,W. CROS *BY,J.T. BEST/AEDC *CALSPAN *R.H. SPANGLER,M.E. *NICHOLS/RI *S. R. HOULIHAN *G. W. KLUG *-DMS	*DMS-DR-2493 *VOLUME 01 *AUGUST, 1983

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC HWTB V42B-145 V43B-14 OA259 CR-167,666	- *RESULTS OF INVESTIGATIONS OF THE 0.010-SCALE OV-102* /*CONFIGURATION SP *1 *ACE SHUTTLE VEHICLE *LE ORBITER MODEL *72-O IN THE NASA/AEDC VKF TUNNEL B*	*B75,C16,E64,F16,M* *52,N108,N109,N110* *N111,R20,V27,W13* *AL DIRECTIONAL ST* *ABILITY ANOMALIES* *ORIGINALLY ENCOU* *ENTERED IN TESTS L* *A141,LA144, AND O* *A258	*TO CONTINUE INVESTIGATIONS OF THE * *MACH 6 TO 8 LATER* *AL DIRECTIONAL ST* *ABILITY ANOMALIES* *ORIGINALLY ENCOU* *ENTERED IN TESTS L* *A141,LA144, AND O* *A258	*FORCE	*0.010 / *6.0-	*ROCKWELL/ *AEDC - *HYPERSONIC WIND TUNNEL (B)	*R.H. BURT,W. CROSBY,J.T. BEST/AEDC *CALSPAN *R.H. SPANGLER,M.E.* *NICHOLS/RI *S. R. HOULIHAN *G. W. KLUG *-DMS	*DMS-DR-2493 *VOLUME 02 *AUGUST, 1983
ARC 3.5HWT 254 OH108 CR-167,360	- *AERODYNAMIC HEATING TESTS OF A 0.1* /*O-SCALE SS ORBITER * *AP MODEL 93-O IN * *THE NASA/ARC 3.5 * *FOOT HYPERSONIC W* *IND TUNNEL (OH108* *)	*OV-102 ELEVON GAP* *ELEVON/ELEVON GAP* *AND STUB HEATING * *DISTRIBUTION	*ELEVON/ELEVON GAP* *AND STUB HEATING * *DISTRIBUTION	*PRESSURE	*0.10 / *7.3 -	*ROCKWELL/ *ARC - *3.5-FOOT HYPERSONIC WIND TUNNEL	*C. L. BERTHOLD,RI *S. R. HOULIHAN *H. C. ZIMMERLE *-DMS *NEL	*DMS-DR-2494 *JUNE, 1982
ARC 3.5HWT 253 OH110 CR-160,844	- *TEST RESULTS FROM THE NASA/ROCKWELL INTERNATIONAL SPACE SHUTTLE 0.01* *75-SCALE ORBITER * *MODELS 56-O/60-O * *AND THE 0.04-SCALE * *E ORBITER FOREBODY * *Y MODEL 83-O COND* *UCTED IN THE NASA * */ARC 3.5-FOOT HYPERSONIC WIND TUNNEL (TEST OH110)	*56-O *60-O *83-O *O.04-SCALE *E ORBITER FOREBODY *Y MODEL 83-O COND* *UCTED IN THE NASA * */ARC 3.5-FOOT HYPERSONIC WIND TUNNEL (TEST OH110)	*OBTAIN ORBITER HEATING DATA TO ESTABLISH MACH NUMBER SENSITIVITY OF ORBITER IN YAW	*PRESSURE	*0.0175 , *0.04 / *5.3 -	*ROCKWELL/ *ARC - *3.5-FOOT HYPERSONIC WIND TUNNEL	*C. L. BERTHOLD,J. GEE,ROCKWELL *S. R. HOULIHAN *B. J. BURST *-DMS	*DMS-DR-2495 *OCT., 1981

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *RESULTS OF THE TR	*0.0175-SCALE 56-0	*TO OBTAIN HEAT TR	*HEAT-TRANS*	8.0-	*ROCKWELL/	*C. L. BERTHOLD/RI	*DMS-DR-2496
HWTB	- *ANSATLANTIC ABORT	*0.0175-SCALE 60-0	*ANSFER DATA ON OR		8.0	*AEDC -	*S. R. HOULIHAN	*VOLUME 01
V41B-1C	/*MANEUVER TEST(OH	*0.04-SCALE FOREBO	*BITER AT ATTITUDE*			*HYPERSONIC WIN	*B. J. BURST	*NOV., 1982
OH111	*111) USING THE O.*DY 83-0		*S THAT WOULD BE E			*D TUNNEL (B)	*-DMS	
CR-167,380	*0175-SCALE 56-0 A*		*NCOUNTED IN A T*					
	*ND 60-0, AND THE *		*RANSATLANTIC ABOR*					
	O.04-SCALE 83-0 T		*T MANEUVER					
	HIN SKIN THERMOCO							
	UPLE MODELS IN TH							
	E AEDC VKF TUNNEL							
	*B HYPERSOINIC WIN *							
	*D TUNNEL(OH111) *							
	* *							
AEDC	- *RESULTS OF THE TR	*0.0175-SCALE 56-0	*TO OBTAIN HEAT TR	*HEAT-TRANS*	8.0-	*ROCKWELL/	*C. L. BERTHOLD/RI	*DMS-DR-2496
HWTB	- *ANSATLANTIC ABORT	*0.0175-SCALE 60-0	*ANSFER DATA ON OR		8.0	*AEDC -	*S. R. HOULIHAN	*VOLUME 02
V41B-1C	/*MANEUVER TEST(OH	*0.04-SCALE FOREBO	*BITER AT ATTITUDE*			*HYPERSONIC WIN	*B. J. BURST	*NOV., 1982
OH111	*111) USING THE O.*DY 83-0		*S THAT WOULD BE E			*D TUNNEL (B)	*-DMS	
CR-167,381	*0175-SCALE 56-0 A*		*NCOUNTED IN A T*					
	*ND 60-0, AND THE *		*RANSATLANTIC ABOR*					
	O.04-SCALE 83-0 T		*T MANEUVER					
	HIN SKIN THERMOCO							
	UPLE MODELS IN TH							
	E AEDC VKF TUNNEL							
	*B HYPERSOINIC WIN *							
	*D TUNNEL(OH111) *							
	* *							
AEDC	- *RESULTS OF THE TR	*0.0175-SCALE 56-0	*TO OBTAIN HEAT TR	*HEAT-TRANS*	8.0-	*ROCKWELL/	*C. L. BERTHOLD/RI	*DMS-DR-2496
HWTB	- *ANSATLANTIC ABORT	*0.0175-SCALE 60-0	*ANSFER DATA ON OR		8.0	*AEDC -	*S. R. HOULIHAN	*VOLUME 03
V41B-1C	/*MANEUVER TEST(OH	*0.04-SCALE FOREBO	*BITER AT ATTITUDE*			*HYPERSONIC WIN	*B. J. BURST	*NOV., 1982
OH111	*111) USING THE O.*DY 83-0		*S THAT WOULD BE E			*D TUNNEL (B)	*-DMS	
CR-167,382	*0175-SCALE 56-0 A*		*NCOUNTED IN A T*					
	*ND 60-0, AND THE *		*RANSATLANTIC ABOR*					
	O.04-SCALE 83-0 T		*T MANEUVER					
	HIN SKIN THERMOCO							
	UPLE MODELS IN TH							
	E AEDC VKF TUNNEL							
	*B HYPERSOINIC WIN *							
	*D TUNNEL(OH111) *							
	* *							

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC UPWT 1311 16TT 1358 OA255 OA256 CR-167,656	*RESULTS OF SPACE SHUTTLE ORBITER (*MODEL 70-0) LATE *ENTRY RCS YAW JET *EFFECTS TESTS IN *THE NASA/LARC UP *WT AND 16-FT. WIN *D TUNNELS (OA255/*OA256)	*102 (PRELIMINARY)*RCS JET INTERACTI*ON EFFECTS	*FORCE		*0.0125 / *2.5 - *4.5	*ROCKWELL/ *LARC - *UNITARY PLAN W*IND TUNNEL *16-FOOT TRANSO*NIC TUNNEL	*J. MARROQUIN/RI *J. J. DAILED/RI *S. R. HOULIHAN *J. E. VAUGHN	*DMS-DR-2498 *AUGUST, 1983
ARC 40SWT 473 OA164 CR-160,836	*RESULTS OF TESTS *B69C14DT1E54F14FD *USING A 0.36-SCAL *E MODEL (76-0) OF *THE SSV ORBITER *101 IN THE NASA/A *MES RESEARCH CENT *ER 40X80-FOOT SUB *SONIC WIND TUNNEL * (OA164)	*MEASURE TURBULENC*E IN WAKE OF ORB *FUSELAGE USING HF *A;DETERMINE RN/L *DEPENDENCE ON ORB *WAKE CHARACTERIS *TICS,AND ABILTIY *OF TAILCONE/SCOOP *S TO REDUCE TURBU *LENCE;AND TO OBT *IN FLIGHT TEST PR *OBE DATA W/NO A T *AILCONE	*PRESSURE		*0.36 / *0.07 - *0.26	*ROCKWELL/ *ARC - *40-FOOT BY 80- *FOOT SUBSONIC *WIND TUNNEL	*T.J. DZIUBALA,R.R *BURROWS,J.MARRO *QUIN/RI *S. R. HOULIHAN *G. R. LUTZ	*DMS-DR-2499 *AUGUST, 1981
ARC 22TWT 467-1 OS301 CR-160,848	*PHASE II SCREENIN *G TEST OF AFRSI M *ATERIAL USING MOD *EL 115-0 IN THE A *MES RESEARCH CENT *ER 2X2-FOOT TRANS *ONIC WIND TUNNEL * (OS301)	*115-0 AFRSI MATER *CREENING PROCESS *INITIATED ON OS30 *O BY INVESTIGATIN *G THE RELATIVE DU *RABILITY OF VARIO *US CONFIGURATIONS *OF AFRSI	*PRESSURE		*0.85 - *1.1	*ROCKWELL/ *ARC - *2-FOOT BY 2-FO *OT TRANSONIC W *IND TUNNEL	*J. G. R. COLLETTE *RI *S. R. HOULIHAN *G. R. LUTZ	*DMS-DR-2500 *DEC., 1981

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL MACH RANGE	SCALE TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 111WT	- *SPACE SHUTTLE AFR* - *SI OMS PODS/JOINT*		*TO SUBJECT ADVANC* *ED FLEXIBLE REUSA*	PRESSURE	* 0.76- * 0.88	*ROCKWELL/ *ARC -	*J.G.R. COLLETTE/R* *I	*DMS-DR-2501 *OCT., 1982
501-1 OS304A CR-167,373	/*S DEVELOPMENT TES* *T USING MODEL 116* *-O SPECIMENS & MO* *DEL 96-O TEST FIX* *TURE IN THE AMES * *RESEARCH CENTER 1* *1X11-FOOT TRANSON* *IC WIND TUNNEL (O* *S304A)		*BLE SURFACE INSUL* *ATION (AFRSI) SPEC* *IMENS TO AN ENVIR* *ONMENT SIMULATING* *THE FLOW CHARACT * *ERISTICS ENCOUNT* *RED AT THE OMS PO* *DS OF THE SSV DUR* *ING ASCENT, & TO * *EVALUATE THE AFRS* *I JOINTS IN THIS * *ENVIRONMENT			*11-FOOT TRANSON* *NIC WIND TUNNE* *L (UNITARY) * *-DMS	*J.M. RIVIN/RI* *S. R. HOULIHAN* *G. R. LUTZ	
ARC 97SWT	- *SPACE SHUTTLE AFR* - *SI OMS PODS/JOINT*		*TO SUBJECT ADVANC* *ED FLEXIBLE REUSA*	PRESSURE	* 1.8	*ROCKWELL/ *ARC -	*J.G.R. COLLETTE/R* *I	*DMS-DR-2502 *AUGUST, 1982
501-1 OS304B CR-167,378	/*S DEVELOPMENT TES* *T USING MODEL 116* *-O SPECIMENS AND * *MODEL 81-O TEST F* *IXTURE IN THE AME* *S RESEARCH CENTER* *9X7-FOOT SUPERSON* *IC WIND TUNNEL (O* *S304B)		*BLE SURFACE INSUL* *ATION (AFRSI) SPE* *CIMENS TO AN ENVI* *RONMENT SIMULATIN* *G THE FLOW CHARAC* *TERISTICS ENCOUNT* *ERED AT THE OMS P* *ODS OF THE SSV DU* *RING ASCENT & TO * *EVALUATE THE AFRS* *I JOINTS IN THIS * *ENVIRONMENT			*9-FOOT BY 7-FO* *OT SUPERSONIC * *WIND TUNNEL (U* *NITARY)	*S. R. HOULIHAN* *G. R. LUTZ	

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 8TPT 905.6,7,9/	*RESULTS OF COMBIN*20A *ED LOADS ORBITER *20C *TEST (CLOT) IN TH*20D (NOT TESTED)		*TO VERIFY THAT TP*PRESSURE *S TILES REMAIN AT* *TACHED TO FLIGHT *		0.6-1.1	*ROCKWELL/ *LARC -	*W.I. WATSON/LARC *R.R. BURROWS/RI	*DMS-DR-2503 *JULY, 1982
OS53A	*E NASA/LARC 8-FOO*		*STRUCTURE UNDER A*			*8-FOOT TRANSON*	*S. R. HOULIHAN	*
OS53B	*T TPT USING THREE*		*SCENT CONDITIONS;*			*IC PRESSURE TU*	*G. R. LUTZ	*
CR-167,363	*CONFIGURATION 20 *		*COMPARE MEASURED *			*NNEL	*-DMS	*
	*TPS FLOW TEST PA *		*8 PREDICTED TILE *					*
	*NELS (OS53A/B) *		*8 SIP LOADS & TI *					*
	*		*LE RESPONSES; & D*					*
	*		*ETERMINE TILE ROU*					*
	*		*GHNESS AFTER SING*					*
	*		*LE & REPEATED MIS*					*
	*		*SIONS					*
ARC 97SWT 503-1	*SPACE SHUTTLE AFR* *SI LARGE-SCALE DE* /*VELOPMENT TEST US*		*TO SUBJECT LARGE-*PRESSURE *SCALE SPECIMENS O*		1.8	*ROCKWELL/ *ARC -	*J.G.R. COLLETTE/R*	*DMS-DR-2504 *SEPT., 1982
OS302B	*ING MODEL 117-O S*		*F ADVANCED FLEXIB*			*9-FOOT BY 7-FO*	*S. R. HOULIHAN	*
CR-167,379	*PECIMENS AND MODE*		*LE REUSABLE SURFA*			*OT SUPERSONIC *	*G. R. LUTZ	*
	L 81-O TEST FIXTU		*CE INSULATION (AF*			*WIND TUNNEL (U*	*-DMS	*
	RE IN THE AMES RE		*RSI) TO SS ORBITE*			*NITARY)		*
	SEARCH CENTER 9X		*R ASCENT AERODYNA*					*
	7-FOOT SUPERSONIC		*MIC PRESSURE GRAD*					*
	*WIND TUNNEL (OS3		*IENT LOADINGS & T*					*
	*02B)		*URBULENCE LEVELS *					*
	*		*FOR TIME DURATION*					*
	*		*S EQUIVALENT TO 1*					*
	*		*OO MISSIONS WITH *					*
	*		*A SCATTER OF FOUR*					*
	*		*(400 MISSIONS)					*
	*		*					*

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC PWT-16T TF-551 OS46A-G CR-167,376	- *RESULTS OF ASCENT * - *AERODYNAMIC LOAD * /*ING TESTS OF THE * *SS THERMAL PROTEC* *TION SYSTEM (TPS)* *IN & AROUND THE * *ORBITER/ET UMBILI* *CAL DOOR & CAVITY* *, USING MODELS 10* *8-O & 1090 IN THE* *AEDC 16-T PROPUL * *SION WIND TUNNEL * *(OS46A-G) *		*TO DETERMINE THE * *TRANSONIC FLOW EF* *FECTS ON THE TPS * *TILES, DOOR & CAV* *ITY THERMAL BARRI* *ERS, FOAM ON THE * *UMBILICAL, PRESSU* *RE SEAL, CLOSEOUT* *CURTAIN, & DOOR * *FLOW RESTRICTOR, *	*PRESSURE	* 1.15	*ROCKWELL/ *AEDC - *TRANSONIC PROP* *ULSION WIND TU* *NNEL (PWT-16T)*	*R.G. MEYER/ARVIN/ *CALSPAN *R.R. BURROWS/RI *S. R. HOULIHAN *G. R. LUTZ *-DMS	*DMS-DR-2505 *AUGUST, 1982
ARC 11TWT 500,07,31/ 97SWT OS60,1,2,3/Y CR-167,384	- *GAP FILLER REUSE * - *TESTS OF FULL-SCA* /*LE SPACE SHUTTLE * - *ORBITER TILE ARRA* *Y MODELS IN THE N* *ASA/ARC 9X7-FOOT * *AND 11-FOOT UNITA* *RY PLAN WIND TUNN* *EL (OS60,OS61A,OS* *61B,OS62,OS62A, A* *ND OS63) *			*PRESSURE		*ROCKWELL/ *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY) *-DMS *9-FOOT BY 7-FO* *OT SUPERSONIC * *WIND TUNNEL (U* *NITARY)	*L.P. LEBLANC/ROCK* *WELL *S. R. HOULIHAN *G. R. LUTZ *-DMS	*DMS-DR-2506 *DEC., 1982
ARC 11TWT 510-1 / 97SWT MA33A/B CR-167,683	- *RESULTS OF INVEST* - *IGATIONS OF THE S*-O /*PACE SHUTTLE ORBI* - *TER ONE-QUARTER-H* *ERTZ OSCILLATION * *ANOMALY IN THE NA* *SA/AMES RESEARCH * *CENTER 11X11-FOOT * *AND 9X7-FOOT WIN * *D TUNNELS USING O* *.02-SCALE MODEL 1* *06-O (MA33A/B) *	*ORBITER MODEL 106*	*TO CHECK THE RUDD* *ER ANDAILERON EF* *EFFECTIVENESS AND T* *HE ORBITER LATERA* *L/DIRECTIONAL HYS* *TERESIS, AND TO P* *ROVIDE INFORMATIO* *N TO AID IN UNDER* *STANDING STS 1-3 * *ONE-QUARTER-HERTZ* *ANOMALY	*FORCE	*0.02 / * 0.- * 6 2.	*ROCKWELL/ *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY) *-DMS *9-FOOT BY 7-FO* *OT SUPERSONIC * *WIND TUNNEL (U* *NITARY)	*R. H. SPANGLER/RI *R. P. CLARK/RI *S. R. HOULIHAN *B. J. BURST *-DMS	*DMS-DR-2507 *MARCH, 1984

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL *MACH	*SCALE *RANGE	TESTING AGENCY	*COGNIZANT TEST DMS PERSONNEL	*BASIC *PUBLICATIONS *OR COMMENTS
ARC 11TWT	- *SPACE SHUTTLE AFR*FIXTURE 96-0		*TO EVALUATE DESIG*PRESSURE		*O.08 -		*ROCKWELL/	*B.A. MARSHALL/RI	*DMS-DR-2508
548-1	- *SI DESIGN CRITERI*FIXTURE 81-0		*N/ENGINEERING CON*		*1.8		*ARC -	*R.B. KINGSLAND/RI	*JAN., 1983
97SWT	- /*A DEVELOPMENT TES		*CEPTS FOR APPLICA				*11-FOOT TRANSO*	*S. R. HOULIHAN	
OS306A/B	- *TS IN THE NASA/AM*		*TION AND REPAIR O*				*NIC WIND TUNNE*	*G. R. LUTZ	
CR-167,650	*ES RESEARCH CENTE*		*F THE ADVANCED FL*				*L (UNITARY)	*-DMS	
	*R 11X11-FOOT AND *		*EXIBLE REUSABLE S*				*9-FOOT BY 7-FO*		
	9X7-FOOT WIND TUN		*URFACE INSULATION*				*OT SUPERSONIC *		
	*NELS USING MODEL *		*((AFRSI) BLANKET *				*WIND TUNNEL (U*		
	*23-0 (OS306A/B) *		*MATERIAL ON SPACE*				*NITARY)		
	*		*SHUTTLE ORBITER *				*		
	*		*((OV103) AND TO SU*				*		
	*		*PPORT THE AFRSI C*				*		
	*		*ERTIFICATION PROG*				*		
	*		*RAM				*		
	*		*				*		
ARC 11TWT	- *SPACE SHUTTLE FRC*FLAT PANEL W/FRCI		*TO OBTAIN VENTING*PRESSURE		*.78-		*ROCKWELL/	*B.A. MARSHALL/RI	*DMS-DR-2509
549-1	- *I-12 TPS TILE VEN*-12 TILES		*CHARACTERISTICS *		*1.80		*ARC -	*R.B. KINGSLAND/RI	*DEC., 1982
97SWT	- /*TING TEST IN THE *		*AND INTERNAL PRES*				*11-FOOT TRANSO*	*S. R. HOULIHAN	
OA307A/B	- *NASA/AMES RESEARC*		*SURES OF FIBROUS *				*NIC WIND TUNNE*	*G. R. LUTZ	
CR-167,654	*H CENTER 11X11-FO*		*REINFORCED COMPOS*				*L (UNITARY)	*-DMS	
	OT AND 9X7-FOOT W		*ITE INSULATION (F*				*9-FOOT BY 7-FO*		
	IND TUNNELS (OA37		*RCI-12) TPS TILES*				*OT SUPERSONIC *		
	*A/B)		*EXPOSED TO PRESS *				*WIND TUNNEL (U*		
	*		*URE GRADIENTS ASS*				*NITARY)		
	*		*OCIATED WITH AERO*				*		
	*		*DYNAMIC SHOCKS DU*				*		
	*		*RING SS ASCENT *				*		
	*		*				*		
ARC 11TWT	- *SPACE SHUTTLE AFR*		*TO DEMONSTRATE BA*PRESSURE		*0.80-		*ROCKWELL/	*B.A. MARSHALL/RI	*DMS-DR-2510
548-1	- *SI FULL-SCALE CRE*		*SIC AFRSI FLEXIBL*		*0.88		*ARC -	*R.B. KINGSLAND/RI	*DEC., 1982
OS309A	- /*DIBILITY TEST IN *		*E BLANKET CAPABIL*				*11-FOOT TRANSO*	*S. R. HOULIHAN	
CR-167,651	*THE NASA/AMES RES*		*ITY IN AN EXPANSI*				*NIC WIND TUNNE*	*G. R. LUTZ	
	EARCH CENTER 11X1		*ON/RECOMPRESSION *				*L (UNITARY)	*-DMS	
	1-FOOT WIND TUNNE		*SHOCK ENVIRONMENT*				*		
	L USING MODEL 124		*				*		
	-O INSTALLED IN T		*				*		
	HE 96-0 TEST FIXT		*				*		
	*URE (OS309A)		*				*		
	*		*				*		
	*		*				*		

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT 561-1 IA300 CR-167,669	- *RESULTS OF COLD P*75-OTS - *LUME TESTS OF THE* /*0.010-SCALE MODE * *L (75-OTS) IN THE* *NASA/AMES RESEAR * *CH CENTER 11X11-F* *OOT WIND TUNNEL (* *IA300)		*TO DETERMINE THE *PRESSURE *EFFECTS OF GASEOU* *S AND SOLID PLUME* *S ON THE FOREBODY* *PRESSURE DISTRIB * *UTION OF THE SPAC* *E SHUTTLE INTEGRA* *TED VEHICLE		*0.010 / *0.6 - 1.4	*ROCKWELL/ *ARC - *11-FOOT TRANSO*I *NIC WIND TUNNE*S. R. HOULIHAN *L (UNITARY) *B. J. BURST *-DMS	*R. H. SPANGLER,J. *G. R. COLLETTE/R *S. R. HOULIHAN *B. J. BURST *-DMS	*DMS-DR-2511 *VOLUME 01 *OCT., 1983
ARC 11TWT 561-1 IA300 CR-167,670	- *RESULTS OF COLD P*75-OTS - *LUME TESTS OF THE* /*0.010-SCALE MODE * *L (75-OTS) IN THE* *NASA/AMES RESEAR * *CH CENTER 11X11-F* *OOT WIND TUNNEL (* *IA300)		*TO DETERMINE THE *PRESSURE *EFFECTS OF GASEOU* *S AND SOLID PLUME* *S ON THE FOREBODY* *PRESSURE DISTRIB * *UTION OF THE SPAC* *E SHUTTLE INTEGRA* *TED VEHICLE		*0.010 / *0.6 - 1.4	*ROCKWELL/ *ARC - *11-FOOT TRANSO*I *NIC WIND TUNNE*S. R. HOULIHAN *L (UNITARY) *B. J. BURST *-DMS	*R. H. SPANGLER,J. *G. R. COLLETTE/R *S. R. HOULIHAN *B. J. BURST *-DMS	*DMS-DR-2511 *VOLUME 02 *OCT., 1983
ARC 11TWT 561-1 IA300 CR-167,671	- *RESULTS OF COLD P*75-OTS - *LUME TESTS OF THE* /*0.010-SCALE MODE * *L (75-OTS) IN THE* *NASA/AMES RESEAR * *CH CENTER 11X11-F* *OOT WIND TUNNEL (* *IA300)		*TO DETERMINE THE *PRESSURE *EFFECTS OF GASEOU* *S AND SOLID PLUME* *S ON THE FOREBODY* *PRESSURE DISTRIB * *UTION OF THE SPAC* *E SHUTTLE INTEGRA* *TED VEHICLE		*0.010 / *0.6 - 1.4	*ROCKWELL/ *ARC - *11-FOOT TRANSO*I *NIC WIND TUNNE*S. R. HOULIHAN *L (UNITARY) *B. J. BURST *-DMS	*R. H. SPANGLER,J. *G. R. COLLETTE/R *S. R. HOULIHAN *B. J. BURST *-DMS	*DMS-DR-2511 *VOLUME 03 *OCT., 1983
ARC 22TWT 542-1 OA308 CR-167,667	- *BOUNDRY LAYER TES*122-0 - *TS OF THE SPACE S* /*HUTTLE AFRSI MATE* *RIAL IN THE NASA/* *AMES RESEARCH CEN* *TER 2X2-FOOT TRAN* *SONIC WIND TUNNEL* *(OA308)		*TO OBTAIN DATA FO*PRESSURE *R USE IN DETERMIN* *ING THE SKIN FRIC* *TION DRAG DUE TO * *AFRSI IMPLEMENTAT* *ION ON THE SPACE * *SHUTTLE VEHICLE		*0.6- 0.9	*ROCKWELL/ *ARC - *2-FOOT BY 2-FO*S. R. HOULIHAN *OT TRANSONIC W*G. R. LUTZ *IND TUNNEL *-DMS	*B. A. MARSHALL,R. *B. KINGSFIELD/RI *S. R. HOULIHAN *G. R. LUTZ *-DMS	*DMS-DR-2512 *SEPT., 1983

WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC PWT16T TF645 OS313 CR-167,678	*SPACE SHUTTLE AFR* *SI GAP FIX TEST O* /*S313 IN THE AEDC/* *USAF 16T TRANSONIC* *C PROPULSION WIND* *TUNNEL USING MOD* *EL 129-O INSTALLE* *D IN THE MODEL 96* *-O TEST FIXTURE*	MODEL 129-O	*TO EVALUATE AFRSI* *JOINT GAPS ON A* *PANEL TO WHICH AF* *RSI WAS APPLIED I* *N ACCORDANCE TO O* *V O99 OMS POD SPE* *CS, & TO DETERMIN* *E THE PERFORMANCE* *OF FIVE JOINT-ST* *ABILIZER DESIGNS* *UNDER ASCENT LOAD* *ING CONDITIONS*	PRESSURE	*O- *.74 O	*ROCKWELL/ *AEDC - *TRANSONIC PROP*I *ULSION WIND TU*S. *NNEL (PWT-16T)*G. R. LUTZ	*B. A. MARSHALL/RI* *R. B. KINGSLAND/R* *S. R. HOULIHAN* *-DMS	*DMS-DR-2513 *MARCH, 1984
MSFC 14TWT 692 FA301 CR-167,687	*RESULTS OF THE OR* *BITER WING AND EL* /*EVON LOAD ALLEVIA* *TION TEST IN THE* *NASA/MSFC 14-INCH* *TRISONIC WIND TU* *NNEL ON A O.004-S* *CALE MODEL (74-OT* *S) SPACE SHUTTLE* *INTEGRATED VEHICL* *E (FA301)*	LAUNCH VEHICLE WI* *INTERSTAGE FAI* *RINGS	*WING LOAD RELIEF* *INVESTIGATIONS*	*FORCE	*O.004 / *O.60- *1.46	*MSFC / *MSFC - *14-INCH TRISON* *IC WIND TUNNEL* *-DMS	*R.C.ARMSTRONG/MSF* *C *D. E. POUCHER* *J. L. GLYNN	*DMS-DR-2514 *JULY, 1984
ARC 11TWT 562-1/5 OS305-1/5 CR-167,684	*POST-TEST DATA RE* *PORT FOR THE SPAC*I /*E SHUTTLE FULL-SC* *ALE AFRSI SEQUENC* *E OF ENVIRONMENTS* *TEST (OS305-1 TO* *5) IN THE NASA/A* *MES RESEARCH CENT* *ER 11X11-FOOT WIN* *D TUNNEL*	MODEL 125-O, AFRS* *I BONDED TO SUPPO* *NT AIRLOADS ENVIR* *ONMENT AND SUPPOR* *T AFRSI CERTIFICA* *TION*	*EXPOSE THE AFRSI* *TO SIMULATED ASCE* *LOADS ENVIR* *MENT AND SUPPOR* *T AFRSI CERTIFICA* *TION*	PRESSURE	*1.0 / *O.55- *O.88	*ROCKWELL/ *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY)* *-DMS	*R.B.KINGSLAND, B.* *A.MARSHALL/ROCKWE* *D. E. POUCHER* *J. L. GLYNN	*DMS-DR-2515 *APRIL, 1984

TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	*MODEL SCALE MACH RANGE*	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 11TWT	- *SPACE SHUTTLE AFR	*MODEL 127-O, AFRS	*OBTAIN DATA TO AS	*PRESSURE	*1.0 /	*ROCKWELL/	*R.B.KINGSLAND/ROC	*DMS-DR-2516
562-2/5	/SI FULL-SCALE APP*I BONDED TO SUPPO	*SIST IN SELECTION			*0.55-	*ARC -	*KWEEL	*AUGUST, 1984
OS311	*SSUES TEST OS311 *	*OF AFRSI INSTALL *			*0.88	*11-FOOT TRANSO*	*D.E. POUCHER	*
CR-167,688	*IN THE AMES RESEA	*ATION DESIGNS AND*				*NIC WIND TUNNE*	*J.L. GLYNN	*
	*RCH CENTER (ARC) *	*THE DETERMINATIO *				*L (UNITARY)	**DMS	*
	11X11-FT WIND TUN	*N OF MR/DR CRITER *						*
	NEL USING MODEL 1	*IA						*
	27-O INSTALLED IN							*
	*THE 96-O TEST FI *							*
	*XTURE							*
ARC 97SWT	- *SPACE SHUTTLE AFR*	*AFRSI BLANKET PAN*	*INVESTIGATE CAUSE*	*PRESSURE	*0.33 /	*ROCKWELL/	*J.G.R.COLLETTE,R.	*DMS-DR-2517
582-1	/SI OMS POD ENVIRO*	*ELS FORM-FITTED O*S OF AFRSI DAMAGE*			*1.8-	*ARC -	*B.KINGSLAND,C.L.B	*OCT., 1984
OS314A/B/C	*NMMENT TEST USING *VER A TWO-DIMENSI	*ON OMS PODS DUR I *			*2.5	*9-FOOT BY 7-FO*	*ERTHOLD/ROCKWELL *	
CR-167,689	*MODEL 81-O TEST F*	*ONAL MODEL OF AN *NG STS-6				*OT SUPERSONIC *	*D.E. POUCHER	*
	IXTURE IN THE AME	*OMS POD CROSS-SEC*				*WIND TUNNEL (U*	*J.L. GLYNN	*
	S RESEARCH CENTER	*TION				*NITARY)	**DMS	*
	*9X7-FOOT SUPERSO *							*
	NIC WIND TUNNEL (*
	*OS314A/B/C)							*
NRLAD LSWT	- *RESULTS OF TESTS *140C SPACE SHUTTL	*DETERMINE VORTEX *	*FORCE		*0.0405 /	*ROCKWELL/	*C.L.BERTHOLD, M.E	*DMS-DR-2519
838	/OF ADVANCED FLEXI*	*E ORBITER			*0.075-	*NRLAD -	*.NICHOLS/ROCKWELL	*OCT., 1984
OA309	*BLE REUSABLE SURF*	*ENTS ON AFRSI			*0.231	*LOW SPEED WIND*	*D.E. POUCHER	*
CR-167,692	*ACE INSULATION VO*					*TUNNEL	*J.L. GLYNN	*
	RTEX AND FLOW ENV						**DMS	*
	*IRONMENTS IN THE *							*
	NORTH AMERICAN AE							*
	RDYNAMICS LABORA							*
	TORY LOW SPEED WI							*
	ND TUNNEL USING O							*
	.0405-SCALE SPACE							*
	*SHUTTLE ORBITER *							*
	16-O (TEST OA309)							*

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC CF4 220-237 20HT6 456 LA53 LA54	- / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / / /<							

WORK IN PROCESS
WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC 97SWT 166-1 OS13			*TO VERIFY INTEGRITY OF THE ORBITER *FRSI MATERIAL IN *A PANEL FLUTTER *ENVIRONMENT	*STRUCT-DYN	*1.55 - *2.5	*ROCKWELL/ *ARC *9-FOOT BY 7-FOOT SUPERSONIC WIND TUNNEL (UNITARY)	*R.S. CROWDER/RI *S. R. HOULIHAN *H. C. ZIMMERLE *DMS	*DMS-DR-2287
NSWC 8A 1275 LA79				*FORCE	*.0040 /	*LARC / *NSWC *TUNNEL 8A	*J. E. VAUGHN *B. J. BURST *DMS	*DMS-DR-2291
ARC 22TWT 167-1 OS32				*STRUCT-DYN		*ROCKWELL/ *ARC *2-FOOT BY 2-FOOT TRANSONIC WIND TUNNEL		*DMS-DR-2339
LARC 8TPT 764 LA92				*FORCE		*LARC / *LARC *8-FOOT TRANSONIC PRESSURE TUNNEL		*DMS-DR-2362
LARC 8TPT 776 LA106				*FORCE		*LARC / *LARC *8-FOOT TRANSONIC PRESSURE TUNNEL	*J. E. VAUGHN *B. J. BURST *DMS	*DMS-DR-2379
LARC CFHT 130 LA93				*PRESSURE		*LARC / *LARC *CONTINUOUS-FLOW W HYPERSONIC TUNNEL	*J. E. VAUGHN *J. L. GLYNN *DMS	*DMS-DR-2383
LTV HSWT 611 LA109				*FORCE		*LARC / *LTV *HIGH SPEED WIND TUNNEL	*J. E. VAUGHN *B. J. BURST *DMS	*DMS-DR-2394

WORK IN PROCESS
WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
LARC 8TPT 804 LA116	- * - * /* *	* * * *	* * * *	*FORCE	* * * *	*LARC / *LARC - *8-FOOT TRANSON* *IC PRESSURE TU* *NNEL	*J. E. VAUGHN *B. J. BURST *DMS * *	*DMS-DR-2411 * * * *
LARC 8TPT 813 LA117	- * - * /* *	* * * *	* * * *	*FORCE	* * * *	*LARC / *LARC - *8-FOOT TRANSON* *IC PRESSURE TU* *NNEL	*J. E. VAUGHN *B. J. BURST *DMS * *	*DMS-DR-2425 * * * *
LARC LTPT 255 LA127	- * - * /* *	* * * *	* * * *	*FORCE	* * * *	*LARC / *LARC - *LOW-TURBULENCE* *PRESSURE TUNN* *EL	*J. E. VAUGHN *B. J. BURST *DMS * *	*DMS-DR-2441 * * * *
LTV HSWT 646 LA128	- * - * /* *	* * * *	* * * *	*FORCE	* * * *	*LARC / *LTV - *HIGH SPEED WIN* *D TUNNEL	*J. E. VAUGHN *B. J. BURST *DMS * *	*DMS-DR-2442 * * * *
LARC UPWT 1270 LA122	- * - * /* *	* * * *	* * * *	*FORCE	* * * *	*LARC / *LARC - *UNITARY PLAN W* *IND TUNNEL	*J. E. VAUGHN *B. J. BURST *DMS * *	*DMS-DR-2446 * * * *
ARC 11TWT 436-2 OS52	- * - * /* *	* * * *	* * * *	*PRESSURE	* * * *	*ROCKWELL/ *ARC - *11-FOOT TRANSO* *NIC WIND TUNNE* *L (UNITARY)	*S. R. HOULIHAN *B. J. BURST *DMS * *	*DMS-DR-2447 * * * *
MSFC 14TWT 655 FA27	- * - * /* *	* * * *	*DETERMINE CAUSE A *ND AERO FIX TO EL* *IMINATE ORBITER R* *OLLING MOMENT	*FORCE	* 0.004 / *0.6 - *1.25	*MSFC / *MSFC - *14-INCH TRISON* *IC WIND TUNNEL* * * *	*BILL BRADDOCK/LMS *C-HUNTSVILLE *J. L. GLYNN *J. E. VAUGHN *DMS *	*DMS-DR-2460 * * * * * *

WORK IN PROCESS
WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
ARC	- *RESULTS OF EXPERI*		*TO OBTAIN FORCE A*FORCE		*0.60 -	*ROCKWELL/	*A.R.KANEVSKY/RI	*DMS-DR-2476
11TWT	- *MENTAL INVESTIGAT*		*ND PRESSURE LOADS*PRESSURE		*2.5	*ARC -	*J. E. VAUGHN	*
411-1,2,3/	*IONS TO DETERMINE*		*ON ET PROTUBERAN *			*11-FOOT TRANSO*	*H. C. ZIMMERLE	*
97SWT	- *EXTERNAL TANK *		*CES AND TO *			*NIC WIND TUNNE*-DMS		*
IA190A	*PROTUBERANCE LOAD*		*DETERMINE LOCAL F*			*L (UNITARY) *		*
IA190B	*S USING A 0.03 SC*		*LOW VELOCITIES ON*			*9-FOOT BY 7-FO*		*
	*ALE MODEL OF THE *		*ET UPPER SURFACE *			*OT SUPERSONIC *		*
	*SPACE SHUTTLE *		*NEAR CENTERLINE *			*WIND TUNNEL (U*		*
	LAUNCH CONFIGURAT					*NITARY) *		*
	ION (MODEL 47-OTS							*
	*) IN THE NASA/ARC							*
	*UNITARY PLAN *							*
	WIND TUNNEL (IA19							*
	*OA/B) *							*
MSFC	- *			*FORCE		*ROCKWELL/	*S. R. HOULIHAN	*DMS-DR-2479
14TWT	- *					*MSFC -	*J. E. VAUGHN	*
658	/ *					*14-INCH TRISON*-DMS		*
IA600	*					*IC WIND TUNNEL*		*
	*							*
LTV	- *	*OV102-SSME ON		*FORCE	*0.02/	*LARC /	*J. E. VAUGHN	*DMS-DR-2484
HSWT	- *	*OV102-SSME OFF			*2.5-	*LTV -	*G. W. KLUG	*
742	/ *	*OV102-SSME ON VT			*4.75	*HIGH SPEED WIN*-DMS		*
LA144	*	*OFF				*D TUNNEL		*
	*							*
AEDC	- *	*ORBITER FOREBODY	*TO OBTAIN CALIBRA*FORCE		*0.25 -	*ROCKWELL/	*S. R. HOULIHAN	*DMS-DR-2497
PWT16T	- *		*TION DATA FOR THE*		*1.50	*AEDC -	*H. C. ZIMMERLE	*
594	/ *		*FLUSH-ORIFICE SH *			*TRANSONIC PROP*-DMS		*
MA34	*		*UTTLE ENTRY AIR *			*ULSION WIND TU*		*
	*		*DATA SYSTEM IN TH*			*NNEL (PWT-16T)*		*
	*		*E SUBSONIC/TRANSO*					*
	*		*NIC RANGE					*
	*							*

WORK IN PROCESS
WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
MSFC 14TWT 695 IA301	- *RESULTS OF A ORBI*LAUNCH VEHICLE WI*WING LOAD RELIEF *FORCE - *TER WING AND ELEV*TH WING SPOILERS *INVESTIGATIONS / *ON LOADS ALLEVIAT*AND INTERSTAGE FA* *ION TEST UTILIZIN*IRINGS *G WING MOUNTED SP* *OILERS IN THE NAS* *A/MSFC 14-INCH TR* *ISONIC WIND TUNNE* *L ON A 0.004-SCAL* *E MODEL (74-OTS) * *SPACE SHUTTLE INT* *TEGRATED VEHICLE (* *IA301)				* 0.004 / * 0.60- * 1.96	*ROCKWELL/ *MSFC - *14-INCH TRISON* *IC WIND TUNNEL* *D. E. POUCHER *J. L. GLYNN *-DMS	*F.H.NIEDERMEYER/R* *I-H *R.C.ARMSTRONG/MSF* *DMS-DR-2518	
AEDC SWTA V-A-1X HWTC V-C-2E IH97A/B/C CR-167,693	- *RESULTS OF AEROHE*THIN-SKIN THERMO*DFI LOCATIONS FOR*HEAT-TRANS*O.0175 / - *ATING DFI AND ET *OUPLE MODEL 60-OT*ET AND SRB HEATI * /*DESIGN-DATA TEST *S - *ON A 0.0175-SCALE* /*MODEL 60-OTS CON * *DUCTED IN THE VON* *KARMAN GAS DYNAM * *ICS FACILITY (VKF* *) 40-INCH SUPERSO* *NIC AND THE 50-IN* *CH HYPERSONIC WIN* *D TUNNELS A AND C* *(IH97A/B/C)				* 2.24- * 4.00	*ROCKWELL/ *AEDC - *SUPERSONIC WIN*CKWELL *D TUNNEL (A) *D. E. POUCHER *HYPERSONIC WIN*J. L. GLYNN *D TUNNEL (C) *-DMS	*J.MARROQUIN, C.R.* *LEEF, D.J.WONG/RO* *DMS-DR-2520	
ARC 22TWT 560-1-22 OS310 CR-167,694	- *RESULTS OF THE AF*MODEL 126-O, AFRS*TO EVALUATE TWO A*PRESSURE - *RSI REWATERPROOFI*I /*NG SYSTEMS SCREEN* *ING TEST IN THE N* *ASA/AMES RESEARCH* *CENTER (ARC) 2X2 * *-FOOT TRANSONIC W* *IND TUNNEL (OS310* *)				* 1.0 / * 0.3 - * 0.85	*ROCKWELL/ *ARC - *2-FOOT BY 2-FO*N/ROCKWELL *OT TRANSONIC W*D. E. POUCHER *IND TUNNEL *J. L. GLYNN *-DMS	*R.B.KINGSLAND, J.* *MARROQUIN, J.RIVI* *N/ROCKWELL *DMS-DR-2521	

WORK IN PROCESS
WIND TUNNEL TEST / DMS DATA PROCESSING

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TEST ID	REPORT TITLE	CONFIGURATIONS TESTED	TEST PURPOSE	TYPE OF TEST	MODEL SCALE MACH RANGE	TESTING AGENCY	COGNIZANT TEST DMS PERSONNEL	BASIC PUBLICATIONS OR COMMENTS
AEDC	- *	*128-0, OMS POD CO	*SIMULATION OF ENV	*PRESSURE	* 4.0 -	*ROCKWELL/	*E.C.KNOX/ROCKWELL	*DMS-DR-2522
HWTC	- *	*NTOUR MODEL	*IRONMENTS EXISTIN		* 4.0	*AEDC -	*D. E. POUCHER	*
V-C-3E	/*		*G AT THE FRONT OF			*HYPERSONIC WIN	*J. L. GLYNN	*
OS315	*		*THE ORBITER OMS	*	*	*D TUNNEL (C)	*-DMS	*
	*		*POD DURING ASCENT	*	*			*
	*		*AND ENTRY	*	*			*
LARC	- *	*RESULTS OF WING A	*LAUNCH VEHICLE WI	*WING LOAD RELIEF	*FORCE	*0.01 /	*LARC /	*G.M.WARE, J.C.YOU
16TT	- *	*ND ELEVON LOAD AL	*TH WING SPOILERS	*INVESTIGATIONS		* 0.8 -	*LARC -	*NG, L.E.PUTNAM/LA
390	/*	*LEVIAION TEST (T	*AND INTERSTAGE FA		* 1.25	*16-FOOT TRANSO	*RC	*
LA301	*	*EST LA301) UTILIZ	*IRINGS	*	*	*NIC TUNNEL	*D. E. POUCHER	*
	*	*ING A 1% SCALE SH		*	*		*J. L. GLYNN	*
	*	*UTTLE LAUNCH VEHI		*	*		*-DMS	*
	*	*CLE MODEL IN THE		*	*			*
	*	*LANGLEY 16 FOOT T		*	*			*
	*WT			*	*			*
	*			*	*			*
ARC	- *	*RESULTS OF A M=5.	*PHASE-CHANGE PAI	*N	*SUPERSONIC HEAT D	*HEAT-TRANS	*O.0175 /	*ROCKWELL/
3.5HWT	- *	*3 HEAT TRANSFER T	*T MODEL, 56-OTS	*ISTRIBUTION DATA		* 5.3 -	*ARC -	*INEZ/ROCKWELL
218	/*	*EST OF THE INTEGR		*BETWEEN ORBITER A		* 5.3	*3.5-FOOT HYPER	*D. E. POUCHER
IH42	*	*ATED VEHICLE USIN		*ND ET	*	*	*SONIC WIND TUN	*J. L. GLYNN
CR-167,695	*G	*PHASE-CHANGE PA			*	*	*NEL	*-DMS
	*	*INT TECHNIQUES ON		*	*	*		*
	*	*THE 0.0175-SCALE		*	*	*		*
	*	*MODEL 56-OTS IN		*	*	*		*
	*	*THE NASA/AMES RES		*	*	*		*
	*	*EARCH CENTER 3.5-		*	*	*		*
	*	*FOOT HYPERSONIC W		*	*	*		*
	*	*IND TUNNEL (IH42)		*	*	*		*
	*			*	*	*		*

Table 6-1

Space Shuttle Facility Wind Tunnel Summary

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
KT				LA126	2436,V-06	AUGUST, 1978
VU	AEDC	HWTB	B7A	OH60	2356	MAY, 1977
VB	AEDC	HWTB	B8A	OH74	2263	MARCH, 1976
VC	AEDC	HWTB	C4A	IA114	2272,V-01	JUNE, 1977
VC	AEDC	HWTB	C4A	IA114	2272,V-02	JUNE, 1977
VJ	AEDC	HWTB	D8A	OA169	2320,V-01	FEB., 1978
VJ	AEDC	HWTB	D8A	OA169	2320,V-02	FEB., 1978
VJ	AEDC	HWTB	D8A	OA169	2320,V-03	FEB., 1978
VK	AEDC	HWTB	D9A	IA22	2327,V-01	JULY, 1977
VK	AEDC	HWTB	D9A	IA22	2327,V-02	AUGUST, 1977
VK	AEDC	HWTB	D9A	IA22	2327,V-03	AUGUST, 1977
VG	AEDC	HWTB	E3A	OH75	2303	MAY, 1976
VS	AEDC	HWTB	J7A	OH98	2340,V-01	SEPT., 1980
VS	AEDC	HWTB	J7A	OH98	2340,V-02	SEPT., 1980
4S	AEDC	HWTB	P4A	OH90A/MA29	2451	MAY, 1979
4D	AEDC	HWTB	TOA	IA148	2384,V-01	SEPT., 1978
4D	AEDC	HWTB	TOA	IA148	2384,V-02	SEPT., 1978
TM	AEDC	HWTB	VA289	OH3A	2100	JUNE, 1974
TT	AEDC	HWTB	VA352	OH4A	2154	JAN., 1975
TZ	AEDC	HWTB	VA352	OH4C	2225	MARCH, 1975

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SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
TK	AEDC	HWTB	VA352	OH4B	2099,V-O1	FEB., 1975
TK	AEDC	HWTB	VA352	OH4B	2099,V-O2	FEB., 1975
TK	AEDC	HWTB	VA352	OH4B	2099,V-O3	FEB., 1975
V5	AEDC	HWTB	VA353	OH9	2251	JUNE, 1975
TS	AEDC	HWTB	VA354	OH11	2141	JUNE, 1975
V3	AEDC	HWTB	VA422	IA17B	2230	FEB., 1975
TR	AEDC	HWTB	VA422	IA17A	2156,V-O1	AUGUST, 1975
TR	AEDC	HWTB	VA422	IA17A	2156,V-O2	AUGUST, 1975
TR	AEDC	HWTB	VA422	IA17A	2156,V-O3	AUGUST, 1975
TN	AEDC	HWTB	VA474	OA77	2134,R-O1	JAN., 1975
VE	AEDC	HWTB	VA526/21BA	OH50A	2285	APRIL, 1976
VM	AEDC	HWTB	V41B-E9A	OH69	2321,V-O1	AUGUST, 1978
VM	AEDC	HWTB	V41B-E9A	OH69	2321,V-O2	AUGUST, 1978
4Z	AEDC	HWTB	V41B-G9	OH109	2490,V-O1	JULY, 1982
4Z	AEDC	HWTB	V41B-G9	OH109	2490,V-O2	JULY, 1982
4Z	AEDC	HWTB	V41B-G9	OH109	2490,V-O3	JULY, 1982
T1	AEDC	HWTB	V41B-H0	OA258	2491,V-O1	SEPT., 1983
T1	AEDC	HWTB	V41B-H0	OA258	2491,V-O2	SEPT., 1983
T1	AEDC	HWTB	V41B-H0	OA258	2491,V-O3	SEPT., 1983
T1	AEDC	HWTB	V41B-H0	OA258	2491,V-O4	SEPT., 1983
4A	AEDC	HWTB	V41B-K3A	OH57A/B	2367	MAY, 1979

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
HT	AEDC	HWTB	V41B-R3A	OH56	2410	JUNE, 1979
4E	AEDC	HWTB	V41B-R4A	OH84A	2388	MARCH, 1984
4H	AEDC	HWTB	V41B-V2A	OH103A	2420	NOV., 1982
4M	AEDC	HWTB	V41B-V2C	OH103B	2427	JAN., 1984
T6	AEDC	HWTB	V41B-1C	OH111	2496,V-01	NOV., 1982
T6	AEDC	HWTB	V41B-1C	OH111	2496,V-02	NOV., 1982
T6	AEDC	HWTB	V41B-1C	OH111	2496,V-03	NOV., 1982
4U	AEDC	HWTB	V41B-67	OH84B	2464,V-01	AUGUST, 1981
4U	AEDC	HWTB	V41B-67	OH84B	2464,V-02	AUGUST, 1981
4U	AEDC	HWTB	V41B-67	OH84B	2464,V-03	AUGUST, 1981
4U	AEDC	HWTB	V41B-67	OH84B	2464,V-04	AUGUST, 1981
4V	AEDC	HWTB	V41B-67	OH105	2464,V-05	AUGUST, 1981
T3	AEDC	HWTB	V42B-/V43B	OA259	2493,V-01	AUGUST, 1983
T3	AEDC	HWTB	V42B-/V43B	OA259	2493,V-02	AUGUST, 1983
T2	AEDC	HWTB	V43B-17	OH107	2492	JUNE, 1982
4T	AEDC	HWTB	41B-65	OH102A	2455	JUNE, 1979
VY	AEDC	HWTB	41B-83A	OH25B	2366	MAY, 1977
TP	AEDC	HWTB	48A	LA42	2132	MAY, 1975
VO	AEDC	HWTB	524	OH52	2330	OCT., 1976
V1	AEDC	HWTB	57A	OH49B	2222,V-01	OCT., 1976
V1	AEDC	HWTB	57A	OH49B	2222,V-02	NOV., 1976

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
VL	AEDC	HWTB	58A	OH50B	2358	JUNE, 1977
TW	AEDC	HWTB	71A	OA79	2196	MAY, 1975
V9	AEDC	HWTB	74A	OH39	2241,V-01	JULY, 1980
V9	AEDC	HWTB	74A	OH39	2241,V-02	JULY, 1980
V9	AEDC	HWTB	74A	OH39	2241,V-03	JULY, 1980
V9	AEDC	HWTB	74A	OH39	2241,V-04	JULY, 1980
VH	AEDC	HWTB	82A	OH54A	2301	MAY, 1976
VM	AEDC	HWTB	82A	OH54B	2342	JUNE, 1977
V6	AEDC	HWTB	83A	OH25A	2252	JULY, 1975
D3	AEDC	HWTC	V-C-2E	IH97A/B/C	2520	IN PROCESS
D5	AEDC	HWTC	V-C-3E	OS315	2522	IN PROCESS
TX	AEDC	HWTF	VA291	FH10	2197	OCT., 1974
TO	AEDC	HWTF	VA489	OA81	2152,R-01	JAN., 1976
TY	AEDC	HWTF	25A	TH1F	2218	SEPT., 1977
VA	AEDC	HWTF	28A	OA160	2247	JAN., 1976
7T	AEDC	PWT16T	TF-551	OS46A-G	2505	AUGUST, 1982
T5	AEDC	PWT16T	TF-556	OS49	2483,V-01	JUNE, 1982
T5	AEDC	PWT16T	TF-556	OS49	2483,V-02	JUNE, 1982

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
T8	AEDC	PWT16T	TF-608	OS56	2489	JUNE, 1982
A3	AEDC	PWT16T	TF645	OS313	2513	MARCH, 1984
VR	AEDC	PWT16T	431	OA232	2414,V-01	MAY, 1980
VR	AEDC	PWT16T	431	OA232	2414,V-02	MAY, 1980
4B	AEDC	PWT16T	470	IA105A	2398,V-01	NOV., 1981
4C	AEDC	PWT16T	470	IA156A	2403,V-01	JAN., 1981
4B	AEDC	PWT16T	470	IA105A	2398,V-02	NOV., 1981
4C	AEDC	PWT16T	470	IA156A	2403,V-02	JAN., 1981
4B	AEDC	PWT16T	470	IA105A	2398,V-03	NOV., 1981
4C	AEDC	PWT16T	470	IA156A	2403,V-03	JAN., 1981
4R	AEDC	PWT16T	505	IA132	2449	FEB., 1981
4N	AEDC	PWT16T	507	OA129	2434	DEC., 1979
4P	AEDC	PWT16T	517	IA182	2439	NOV., 1983
4Q	AEDC	PWT16T	519	IA183	2444,V-01	APRIL, 1981
4Q	AEDC	PWT16T	519	IA183	2444,V-02	APRIL, 1981
4Y	AEDC	PWT16T	572	OA253	2486,V-01	OCT., 1982
4Y	AEDC	PWT16T	572	OA253	2486,V-02	OCT., 1982
T4	AEDC	PWT16T	594	MA34	2497	IN PROCESS
VP	AEDC	PWT4T	E3A	SA16F	2334	NOV., 1976

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
V8	AEDC	SWTA	A3A	IA111	2242,V-01	MARCH, 1976
V8	AEDC	SWTA	A3A	IA111	2242,V-02	MARCH, 1976
V7	AEDC	SWTA	A4A	IH41A	2240	APRIL, 1977
VF	AEDC	SWTA	A4A	IH41B	2295,V-01	SEPT., 1977
VF	AEDC	SWTA	A4A	IH41B	2295,V-02	SEPT., 1977
VF	AEDC	SWTA	A4A	IH41B	2295,V-03	SEPT., 1977
VF	AEDC	SWTA	A4A	IH41B	2295,V-04	OCT., 1977
VF	AEDC	SWTA	A4A	IH41B	2295,V-05	OCT., 1977
VD	AEDC	SWTA	E1A	FH13	2276	JUNE, 1977
VI	AEDC	SWTA	J3A	IH47	2312,V-01	JUNE, 1977
VI	AEDC	SWTA	J3A	IH47	2312,V-02	JULY, 1977
VT	AEDC	SWTA	K1A	IA40	2293	DEC., 1977
VQ	AEDC	SWTA	K1A	IA142	2346,V-01	JAN., 1978
VQ	AEDC	SWTA	K1A	IA142	2346,V-02	JAN., 1978
VQ	AEDC	SWTA	K1A	IA142	2346,V-03	JAN., 1978
VX	AEDC	SWTA	P8A	IA143	2354,V-01	FEB., 1978
VX	AEDC	SWTA	P8A	IA143	2354,V-02	FEB., 1978
VX	AEDC	SWTA	P8A	IA143	2354,V-03	FEB., 1978
VX	AEDC	SWTA	P8A	IA143	2354,V-04	FEB., 1978
TJ	AEDC	SWTA	VA323	IA13	2062,V-01	AUGUST, 1975
TJ	AEDC	SWTA	VA323	IA13	2062,V-02	AUGUST, 1975

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
TJ	AEDC	SWTA	VA323	IA13	2062,V-03	AUGUST, 1975
TL	AEDC	SWTA	VA422	IA57	2112	NOV., 1974
TQ	AEDC	SWTA	VA422	IA61A	2143	FEB., 1976
V4	AEDC	SWTA	VA422/21AA	IA61B	2226	FEB., 1975
VW	AEDC	SWTA	VA525/218A	OH49A	2355	JUNE, 1977
D3	AEDC	SWTA	V-A-1X	IH97A/B/C	2520	IN PROCESS
4J	AEDC	SWTA	V41A-P5A	OA208/209	2415,V-02	JAN., 1980
VZ	AEDC	SWTA	V41A-R2A	IH72	2372	NOV., 1981
4L	AEDC	SWTA	V41A-W5	IH85	2431,V-01	APRIL, 1980
4L	AEDC	SWTA	V41A-W5	IH85	2431,V-02	APRIL, 1980
4L	AEDC	SWTA	V41A-W5	IH85	2431,V-03	APRIL, 1980
4L	AEDC	SWTA	V41A-W5	IH85	2431,V-04	APRIL, 1980
4L	AEDC	SWTA	V41A-W5	IH85	2431,V-05	MAY, 1980
4L	AEDC	SWTA	V41A-W5	IH85	2431,V-06	MAY, 1980
4L	AEDC	SWTA	V41A-W5	IH85	2431,V-07	MAY, 1980
4L	AEDC	SWTA	V41A-W5	IH85	2431,V-08	APRIL, 1980
4K	AEDC	SWTA	V41A-20	FH15	2422	APRIL, 1979
4W	AEDC	SWTA	V41A-67	IH102	2464,V-06	AUGUST, 1981
4I	AEDC	SWTA	V41B-P5A	OA208/209	2415,V-01	JAN., 1980
4X	AEDC	SWTA	V41B-65	OH400	2472	MAY, 1980
TU	AEDC	SWTA	60A	IA87	2192,V-01	JULY, 1975

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SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
TU	AEDC	SWTA	60A	IA87	2192,V-02	JULY,	1975
TV	AEDC	SWTA	71A	OA115	2198	JULY,	1975
NF	ARC	11TWT			2255	JULY,	1975
EU	ARC	11TWT	014	IA19	2170,V-01	JUNE,	1975
EU	ARC	11TWT	014	IA19	2170,V-02	JUNE,	1975
EU	ARC	11TWT	014	IA19	2170,V-03	JUNE,	1975
ET	ARC	11TWT	019	IA81A	2169,V-01	JAN.,	1976
ET	ARC	11TWT	019	IA81A	2169,V-02	JAN.,	1976
ET	ARC	11TWT	019	IA81A	2169,V-03	JAN.,	1976
ET	ARC	11TWT	019	IA81A	2169,V-04	JAN.,	1976
ET	ARC	11TWT	019	IA81A	2169,V-05	JAN.,	1976
ET	ARC	11TWT	019	IA81A	2169,V-06	JAN.,	1976
ET	ARC	11TWT	019	IA81A	2169,V-07	JAN.,	1976
E4	ARC	11TWT	023	IA80	2212,V-01	OCT.,	1976
E4	ARC	11TWT	023	IA80	2212,V-02	OCT.,	1976
E4	ARC	11TWT	023	IA80	2212,V-03	OCT.,	1976
E4	ARC	11TWT	023	IA80	2212,V-04	OCT.,	1976
NE	ARC	11TWT	072	IA72	2258,V-01	APRIL,	1977
NE	ARC	11TWT	072	IA72	2258,V-02	APRIL,	1977
NE	ARC	11TWT	072	IA72	2258,V-03	APRIL,	1977

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
NE	ARC	11TWT	072	IA72	2258,V-04	APRIL, 1977
NE	ARC	11TWT	072	IA72	2258,V-05	APRIL, 1977
NE	ARC	11TWT	072	IA72	2258,V-06	APRIL, 1977
NE	ARC	11TWT	072	IA72	2258,V-07	APRIL, 1977
NE	ARC	11TWT	072	IA72	2258,V-08	APRIL, 1977
NE	ARC	11TWT	072	IA72	2258,V-09	APRIL, 1977
E8	ARC	11TWT	073	OA148	2254,V-01	JULY, 1976
E8	ARC	11TWT	073	OA148	2254,V-02	JULY, 1976
E8	ARC	11TWT	073	OA148	2254,V-03	JULY, 1976
E8	ARC	11TWT	073	OA148	2254,V-04	AUGUST, 1976
E8	ARC	11TWT	073	OA148	2254,V-05	AUGUST, 1976
E8	ARC	11TWT	073	OA148	2254,V-06	AUGUST, 1976
E8	ARC	11TWT	073	OA148	2254,V-07	AUGUST, 1976
E8	ARC	11TWT	073	OA148	2254,V-08	AUGUST, 1976
E8	ARC	11TWT	073	OA148	2254,V-09	SEPT., 1976
E8	ARC	11TWT	073	OA148	2254,V-10	SEPT., 1976
E8	ARC	11TWT	073	OA148	2254,V-11	SEPT., 1976
E8	ARC	11TWT	073	OA148	2254,V-12	SEPT., 1976
E8	ARC	11TWT	073	OA148	2254,V-13	SEPT., 1976
2K	ARC	11TWT	115	OA149A	2376,V-01	JAN., 1980
2K	ARC	11TWT	115	OA149A	2376,V-02	JAN., 1980

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SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
2K	ARC	11TWT	115	0A149A	2376,V-03	JAN., 1980
2F	ARC	11TWT	118-1	0A145A	2380,V-01	DEC., 1980
2F	ARC	11TWT	118-1	0A145A	2380,V-02	DEC., 1980
2F	ARC	11TWT	118-1	0A145A	2380,V-03	DEC., 1980
2F	ARC	11TWT	118-1	0A145A	2380,V-04	DEC., 1980
2F	ARC	11TWT	118-1	0A145A	2380,V-05	DEC., 1980
2F	ARC	11TWT	118-1	0A145A	2380,V-06	DEC., 1980
A1	ARC	11TWT	145-1	0S31A	2470	AUGUST, 1983
2A	ARC	11TWT	187-1	0A175	2333,V-01	NOV., 1977
2A	ARC	11TWT	187-1	0A175	2333,V-02	DEC., 1977
2A	ARC	11TWT	187-1	0A175	2333,V-03	DEC., 1977
2B	ARC	11TWT	200-1	LA77	2344,V-01	JAN., 1980
2B	ARC	11TWT	200-1	LA77	2344,V-02	JAN., 1980
2E	ARC	11TWT	213-1	LA89	2353	JUNE, 1981
2N	ARC	11TWT	228-1	IA144	2377,V-01	APRIL, 1982
2N	ARC	11TWT	228-1	IA144	2377,V-02	APRIL, 1982
2R	ARC	11TWT	275-1	IA119	2404,V-01	OCT., 1980
2R	ARC	11TWT	275-1	IA119	2404,V-02	OCT., 1980
2R	ARC	11TWT	275-1	IA119	2404,V-03	OCT., 1980
2R	ARC	11TWT	275-1	IA119	2404,V-04	OCT., 1980
3L	ARC	11TWT	369-1	0S36/37	2458	NOV., 1983

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SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
30	ARC	11TWT	380-1	0S41	2463	NOV., 1983
AM	ARC	11TWT	380-1	0S43	2487	OCT., 1982
3U	ARC	11TWT	411-1,2,3	1A190A	2476	IN PROCESS
AA	ARC	11TWT	412-1	1A191	2378	MARCH, 1981
AC	ARC	11TWT	425	0S50	2485	JUNE, 1982
3X	ARC	11TWT	427-1/427-	0A400	2482,V-01	JAN., 1981
3X	ARC	11TWT	427-1/427-	0A400	2482,V-02	JAN., 1981
3X	ARC	11TWT	427-1/427-	0A400	2482,V-03	JAN., 1981
AB	ARC	11TWT	436-2	0S52	2447	IN PROCESS
AS	ARC	11TWT	500,07,31	0S60,1,2,3	2506	DEC., 1982
AP	ARC	11TWT	501-1	0S304A	2501	OCT., 1982
AL	ARC	11TWT	503-1	0S302A	2469	JUNE, 1982
AU	ARC	11TWT	510-1	MA33A/B	2507	MARCH, 1984
AV	ARC	11TWT	548-1	0S306A/B	2508	JAN., 1983
AY	ARC	11TWT	548-1	0S309A	2510	DEC., 1982
AW	ARC	11TWT	549-1	0A307A/B	2509	DEC., 1982
AZ	ARC	11TWT	561-1	1A300	2511,V-01	OCT., 1983
AZ	ARC	11TWT	561-1	1A300	2511,V-02	OCT., 1983
AZ	ARC	11TWT	561-1	1A300	2511,V-03	OCT., 1983
A7	ARC	11TWT	562-1/5	0S305-1/5	2515	APRIL, 1984
A8	ARC	11TWT	562-2/5	0S311	2516	AUGUST, 1984

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SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
A2	ARC	11TWT	587-1	0A310A	2459,V-01	AUGUST, 1984
BL	ARC	11TWT	686	IA7	2024	AUGUST, 1973
EX	ARC	11TWT	705	OS8A/B	2179	NOV., 1977
B-	ARC	11TWT	707	IA9A,B,C	2032,V-01	NOV., 1973
B-	ARC	11TWT	707	IA9A,B,C	2032,V-02	NOV., 1973
B-	ARC	11TWT	707	IA9A,B,C	2032,V-03	OCT., 1973
B-	ARC	11TWT	707	IA9A,B,C	2032,V-04	DEC., 1973
B-	ARC	11TWT	707	IA9A,B,C	2032,V-05	DEC., 1973
B-	ARC	11TWT	707	IA9A,B,C	2032,V-06	DEC., 1973
B-	ARC	11TWT	707	IA9A,B,C	2032,V-07	DEC., 1973
B-	ARC	11TWT	707	IA9A,B,C	2032,V-08	DEC., 1973
B-	ARC	11TWT	707	IA9A,B,C	2032,V-09	JAN., 1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-10	JAN., 1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-11	JAN., 1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-12	JAN., 1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-13	MARCH, 1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-14	MARCH, 1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-15	MARCH, 1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-16	APRIL, 1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-17	APRIL, 1974
B-	ARC	11TWT	707	IA9A,B,C	2032,V-18	MAY, 1974

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
B2	ARC	11TWT	716	0A22A	2130	MAY, 1975
B1	ARC	11TWT	716	IA14A	2084,V-01	FEB., 1975
B1	ARC	11TWT	716	IA14A	2084,V-02	MARCH, 1975
B1	ARC	11TWT	716	IA14A	2084,V-03	APRIL, 1975
B1	ARC	11TWT	716	IA14A	2084,V-04	APRIL, 1975
B1	ARC	11TWT	716	IA14A	2084,V-05	APRIL, 1975
B1	ARC	11TWT	716	IA14A	2084,V-06	APRIL, 1975
B1	ARC	11TWT	716	IA14A	2084,V-07	APRIL, 1975
B1	ARC	11TWT	716	IA14A	2084,V-08	APRIL, 1975
B1	ARC	11TWT	716	IA14A	2084,V-09	MAY, 1975
B1	ARC	11TWT	716	IA14A	2084,V-10	MAY, 1975
B1	ARC	11TWT	716	IA14A	2084,V-11	MAY, 1975
EJ	ARC	11TWT	747	0A53A	2128,V-01	AUGUST, 1974
EJ	ARC	11TWT	747	0A53A	2128,V-02	AUGUST, 1974
NX	ARC	11,97,87UN	074-1	SA11F	2331,V-01	OCT., 1981
NX	ARC	11,97,87UN	074-1	SA11F	2331,V-02	OCT., 1981
E7	ARC	11,97,87UN	094	0A161A/B/C	2245,V-01	SEPT., 1976
E7	ARC	11,97,87UN	094	0A161A/B/C	2245,V-02	OCT., 1976
NQ	ARC	11,97,87UN	144-1	IA135A/B/C	2306,V-01	MAY, 1982
NQ	ARC	11,97,87UN	144-1	IA135A/B/C	2306,V-02	MAY, 1982

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
NQ	ARC	11,97,87UN	144-1	IA135A/B/C	2306,V-03	MAY,	1982
2Y	ARC	11,97,87UN	289-1	OA126A,B,C	2424,V-01	OCT.,	1980
2Y	ARC	11,97,87UN	289-1	OA126A,B,C	2424,V-02	OCT.,	1980
3H	ARC	11,97,87UN	289-1	OA126A,B,C	2424,V-03	OCT.,	1980
2S	ARC	11,97,87UN	705-1	IS1A/B/C	2401	JAN.,	1978
NG	ARC	12PT	078	OA159	2265	JAN.,	1976
NC	ARC	12PT	086	LA65	2246	JULY,	1976
NJ	ARC	12PT	135-1	LA66	2281	SEPT.,	1976
NS	ARC	12PT	180-1	OA173	2304	NOV.,	1981
2Q	ARC	12PT	218-1	OA101	2405,V-01	SEPT.,	1978
2Q	ARC	12PT	218-1	OA101	2405,V-02	SEPT.,	1978
2Q	ARC	12PT	218-1	OA101	2405,V-03	SEPT.,	1978
2Q	ARC	12PT	218-1	OA101	2405,V-04	SEPT.,	1978
2Q	ARC	12PT	218-1	OA101	2405,V-05	SEPT.,	1978
2Q	ARC	12PT	218-1	OA101	2405,V-06	OCT.,	1978
E9	ARC	14-TWT	080	CA23A	2243	JAN.,	1976
NH	ARC	14-TWT	120	CA23B	2275,V-01	MAY,	1976
NH	ARC	14-TWT	120	CA23B	2275,V-02	MAY,	1976
NZ	ARC	14-TWT	121	CA13	2332	OCT.,	1977

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
NY	ARC	14-TWT	143-1	IA137	2316	SEPT., 1976
NL	ARC	14-TWT	150-1	OA220	2286	OCT., 1976
BK	ARC	14-TWT	711	IA8	2173	JULY, 1974
3Y	ARC	22TWT	041, 154, 11	OS4A	2450	MAY, 1979
2C	ARC	22TWT	167-1	OS32	2339	IN PROCESS
3T	ARC	22TWT	382-1	OA252	2473,V-01	JAN., 1983
3T	ARC	22TWT	382-1	OA252	2473,V-02	JAN., 1983
AE	ARC	22TWT	458	OS300	2488	SEPT., 1981
AK	ARC	22TWT	467-1	OS301	2500	DEC., 1981
AX	ARC	22TWT	542-1	OA308	2512	SEPT., 1983
D4	ARC	22TWT	560-1-22	OS310	2521	IN PROCESS
BI	ARC	3.5HWT	147	OA4	2007	MARCH, 1973
BS	ARC	3.5HWT	157	OA11A	2044	OCT., 1973
BU	ARC	3.5HWT	158	OH2A	2035	APRIL, 1974
BX	ARC	3.5HWT	160	OA11B	2059	JUNE, 1974
BY	ARC	3.5HWT	163	OA58	2060	JUNE, 1974
B5	ARC	3.5HWT	167	OA73	2082	DEC., 1973
B6	ARC	3.5HWT	168	OA23	2071	SEPT., 1974
B7	ARC	3.5HWT	169	IA10	2078	JAN., 1974

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
B9	ARC	3.5HWT	171	OH10	2085	JAN., 1982
B8	ARC	3.5HWT	172	IH15	2098	OCT., 1974
ED	ARC	3.5HWT	173	OH15	2385	SEPT., 1977
EG	ARC	3.5HWT	175	IA15	2102	APRIL, 1974
EF	ARC	3.5HWT	176	OA87	2115	MARCH, 1974
EH	ARC	3.5HWT	177	OH44	2386	SEPT., 1977
EI	ARC	3.5HWT	178	IH3	2136,V-01	MAY, 1975
EI	ARC	3.5HWT	178	IH3	2136,V-02	MAY, 1975
EI	ARC	3.5HWT	178	IH3	2136,V-03	MAY, 1975
EI	ARC	3.5HWT	178	IH3	2136,V-04	MARCH, 1976
EM	ARC	3.5HWT	180	IA16	2124	MAY, 1974
ND	ARC	3.5HWT	182	OH43	2250	JULY, 1975
EQ	ARC	3.5HWT	183	OH6	2151	NOV., 1975
EN	ARC	3.5HWT	185	IH20	2148,V-01	JUNE, 1975
EN	ARC	3.5HWT	185	IH20	2148,V-02	JUNE, 1975
EP	ARC	3.5HWT	187	OA36	2162	NOV., 1974
EQ	ARC	3.5HWT	190	OA98	2167	AUGUST, 1975
ES	ARC	3.5HWT	191	IA18	2160	MARCH, 1975
EW	ARC	3.5HWT	194	OA83	2177	MARCH, 1975
EV	ARC	3.5HWT	195	IH28	2180,V-01	SEPT., 1976
EV	ARC	3.5HWT	195	IH28	2180,V-02	SEPT., 1976

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
EY	ARC	3.5HWT	196	TA9F	2181	NOV., 1974
EZ	ARC	3.5HWT	198	OH38	2171,V-01	JAN., 1976
EZ	ARC	3.5HWT	198	OH38	2171,V-02	JAN., 1976
EZ	ARC	3.5HWT	198	OH38	2171,V-03	JAN., 1976
E2	ARC	3.5HWT	199	OH26	2193	OCT., 1977
E3	ARC	3.5HWT	200	IH27	2210	JUNE, 1979
NB	ARC	3.5HWT	211	IH48	2248	APRIL, 1976
NT	ARC	3.5HWT	215	FH14	2313,V-01	MARCH, 1977
NT	ARC	3.5HWT	215	FH14	2313,V-02	MARCH, 1977
NT	ARC	3.5HWT	215	FH14	2313,V-03	MARCH, 1977
NV	ARC	3.5HWT	216	OH53A	2317	JAN., 1980
D7	ARC	3.5HWT	218	IH42	2524	IN PROCESS
2D	ARC	3.5HWT	222	IH68	2357	JUNE, 1983
3Z	ARC	3.5HWT	227	IH100	2418	OCT., 1978
20	ARC	3.5HWT	228-1	IH51A	2393,V-01	FEB., 1984
20	ARC	3.5HWT	228-1	IH51A	2393,V-02	FEB., 1984
20	ARC	3.5HWT	228-1	IH51A	2393,V-03	FEB., 1984
20	ARC	3.5HWT	228-1	IH51A	2393,V-04	FEB., 1984
2P	ARC	3.5HWT	230	IH99	2452	SEPT., 1982
2V	ARC	3.5HWT	233-1	IH73	2407	SEPT., 1982
2W	ARC	3.5HWT	234-1	IH90	2412,V-01	DEC., 1982

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
2W	ARC	3.5HWT	234-1	IH90	2412,V-02	DEC., 1982
2X	ARC	3.5HWT	235	OH58	2417	JUNE, 1979
3A	ARC	3.5HWT	237	FH16	2423	JAN., 1980
3C	ARC	3.5HWT	239	IH51B	2429	APRIL, 1982
3F	ARC	3.5HWT	241	IH51C	2448,V-01	OCT., 1980
3F	ARC	3.5HWT	241	IH51C	2448,V-02	OCT., 1980
3N	ARC	3.5HWT	244	IH51D	2461	MARCH, 1984
3P	ARC	3.5HWT	245	IH103	2467	AUGUST, 1981
3R	ARC	3.5HWT	247	OH105B	2468	JUNE, 1982
3W	ARC	3.5HWT	250	IH104	2480	AUGUST, 1983
AG	ARC	3.5HWT	253	OH110	2495	OCT., 1981
AH	ARC	3.5HWT	254	OH108	2494	JUNE, 1982

NA	ARC	40SWT	462	OA100	2261,V-01	JULY, 1982
NA	ARC	40SWT	462	OA100	2261,V-02	JULY, 1982
NM	ARC	40SWT	473	OA164	2499	AUGUST, 1981
NO	ARC	40SWT	479	OA174	2302,V-01	MAY, 1982
NO	ARC	40SWT	479	OA174	2302,V-02	MAY, 1982
2M	ARC	40SWT	500	OA237	2375	DEC., 1980

EB	ARC	66SWT	630	IA29	2077,V-01	MAY, 1974

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SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
EB	ARC	66SWT	630	IA29	2077,V-02	MAY, 1974
EB	ARC	66SWT	630	OA63	2077,V-03	MAY, 1974
BH	ARC	66SWT	650	OA3	2009	JUNE, 1973
BT	ARC	66SWT	706	OA43	2050	NOV., 1973
ER	ARC	66SWT	709	OA59	2159,V-01	OCT., 1974
ER	ARC	66SWT	709	OA59	2159,V-02	OCT., 1974
E5	ARC	87SWT	044	IA82C	2219,V-01	APRIL, 1976
E5	ARC	87SWT	044	IA82C	2219,V-02	APRIL, 1976
2K	ARC	87SWT	115-1	OA149B/C	2370,V-01	APRIL, 1980
2K	ARC	87SWT	115-1	OA149B/C	2370,V-02	APRIL, 1980
2K	ARC	87SWT	115-1	OA149B/C	2370,V-03	MAY, 1980
2H	ARC	87SWT	118-1	OA145C	2389,V-01	JUNE, 1981
2H	ARC	87SWT	118-1	OA145C	2389,V-02	JUNE, 1981
2H	ARC	87SWT	118-1	OA145C	2389,V-03	JUNE, 1981
2I	ARC	87SWT	119	OA221B/C	2360,V-01	DEC., 1980
2I	ARC	87SWT	119	OA221B/C	2360,V-02	DEC., 1980
3G	ARC	87SWT	318-1	OA146	2445,V-01	JUNE, 1983
3G	ARC	87SWT	318-1	OA146	2445,V-02	JUNE, 1983
BZ	ARC	87SWT	710	IA12C	2065,V-01	APRIL, 1975
BZ	ARC	87SWT	710	IA120	2065,V-02	APRIL, 1975

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
BZ	ARC	87SWT	710	IA12C	2065,V-03	APRIL, 1975
EL	ARC	87SWT	747	OA53C	2185	SEPT., 1974
ET	ARC	97SWT	019	IA81B	2194,V-01	NOV., 1975
ET	ARC	97SWT	019	IA81B	2194,V-02	DEC., 1975
ET	ARC	97SWT	019	IA81B	2194,V-03	DEC., 1975
ET	ARC	97SWT	019	IA81B	2194,V-04	DEC., 1975
ET	ARC	97SWT	019	IA81B	2194,V-05	DEC., 1975
E6	ARC	97SWT	044	IA82B	2231,V-01	APRIL, 1976
E6	ARC	97SWT	044	IA82B	2231,V-02	APRIL, 1976
E1	ARC	97SWT	052	IA110	2189	MARCH, 1975
NK	ARC	97SWT	113	IS2A/B	2284,V-01	MAY, 1977
NK	ARC	97SWT	113	IS2A/B	2284,V-02	MAY, 1977
2K	ARC	97SWT	115-1	OA149B/C	2370,V-01	APRIL, 1980
2K	ARC	97SWT	115-1	OA149B/C	2370,V-02	APRIL, 1980
2K	ARC	97SWT	115-1	OA149B/C	2370,V-03	MAY, 1980
G2	ARC	97SWT	118-1	OA145B	2364,V-01	FEB., 1981
G2	ARC	97SWT	118-1	OA145B	2364,V-02	MARCH, 1981
G2	ARC	97SWT	118-1	OA145B	2364,V-03	FEB., 1981
2I	ARC	97SWT	119-1	OA221B/C	2360,V-01	DEC., 1980
2I	ARC	97SWT	119-1	OA221B/C	2360,V-02	DEC., 1980

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
NN	ARC	97SWT	166-1	OS13	2287	IN PROCESS
2U	ARC	97SWT	242-1	IA105B	2413,V-01	FEB., 1982
2U	ARC	97SWT	242-1	IA105B	2413,V-02	FEB., 1982
3D	ARC	97SWT	246-1	IA138	2438,V-01	FEB., 1982
3D	ARC	97SWT	246-1	IA138	2438,V-02	FEB., 1982
3D	ARC	97SWT	246-1	IA138	2438,V-03	FEB., 1982
2T	ARC	97SWT	272	IA156B	2408,V-01	JULY, 1980
2T	ARC	97SWT	272	IA156B	2408,V-02	JULY, 1980
2T	ARC	97SWT	272	IA156B	2408,V-03	JULY, 1980
2Z	ARC	97SWT	282-1	OA251B/C	2421,V-01	DEC., 1980
2Z	ARC	97SWT	282-1	OA251B/C	2421,V-02	DEC., 1980
3E	ARC	97SWT	283-1	IA131B/C	2462,V-01	MARCH, 1983
3E	ARC	97SWT	283-1	IA131B/C	2462,V-02	MARCH, 1983
3K	ARC	97SWT	347-1	IA184	2456,V-01	SEPT., 1980
3K	ARC	97SWT	347-1	IA184	2456,V-02	SEPT., 1980
AJ	ARC	97SWT	464	OS55/57	2465	MARCH, 1984
AQ	ARC	97SWT	501-1	OS304B	2502	AUGUST, 1982
AD	ARC	97SWT	503-1	OS302B	2504	SEPT., 1982
A9	ARC	97SWT	582-1	OS314A/B/C	2517	OCT., 1984
BJ	ARC	97SWT	616	IA2	2013	FEB., 1974
BV	ARC	97SWT	710	IA12B	2048	JULY, 1974

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
B4	ARC	97SWT	716	0A22B	2131	MAY,	1975
B3	ARC	97SWT	716	IA14B	2129,V-01	MAY,	1975
B3	ARC	97SWT	716	IA14B	2129,V-02	MAY,	1975
EK	ARC	97SWT	747	0A53B	2178	AUGUST,	1974
UQ	CALSPAN	LT	I95-100	IH75	2453	JUNE,	1979
UG	CALSPAN	48HST	I73-100	0H12	2164,V-02	JAN.,	1976
UL	CALSPAN	48HST	I81	IH5	2308	OCT.,	1976
UI	CALSPAN	48HST	I84-120	0A93	2238	NOV.,	1976
UH	CALSPAN	48HST	I84-220	0A113	2234	JULY,	1975
UJ	CALSPAN	48HST	I85-131	IH33	2249	JUNE,	1979
UM	CALSPAN	48HST	I89	IH43	2319	JUNE,	1979
UG	CALSPAN	48HST	I73-100	0H12	2164,V-01	JAN.,	1976
UG	CALSPAN	48HST	I73-100	0H12	2164,V-03	DEC.,	1975
UF	CALSPAN	8TWT	T14-053	IA36	2064,V-01	DEC.,	1975
UF	CALSPAN	8TWT	T14-053	IA36	2064,V-02	DEC.,	1975
UK	CALSPAN	8TWT	T18-103	LA70	2269	SEPT.,	1976
UN	CALSPAN	8TWT	T18-111	LA82	2374	OCT.,	1982

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
UO	CALSPAN	96HST	131	OH66	2359	MARCH, 1978
GN	JSC		56-A-76	OH78	2371	MAY, 1978
5A	JSC		61-A-78	OH79	2443	JUNE, 1979
PX	LARC	CFHT	100	LA25	2126	CANCELLED
QI	LARC	CFHT	101	OA85	2113	OCT., 1974
QU	LARC	CFHT	102	LA35	2127	JULY, 1974
HH	LARC	CFHT	104	LA47	2191	JULY, 1975
QQ	LARC	CFHT	105	LA34	2328	AUGUST, 1976
QK	LARC	CFHT	107	IA58	2133	JULY, 1974
H1	LARC	CFHT	108	IA60	2137,V-01,R-01	SEPT., 1974
H2	LARC	CFHT	109	OA105	2137,V-02	JULY, 1974
QJ	LARC	CFHT	110	OA90	2149	AUGUST, 1975
HD	LARC	CFHT	112	OH51	2368	APRIL, 1977
HL	LARC	CFHT	113	OA82	2195	FEB., 1975
HX	LARC	CFHT	114	LA57	2454,V-03	APRIL, 1979
JA	LARC	CFHT	118	MA22	2267,V-01	JUNE, 1976
JA	LARC	CFHT	118	MA22	2267,V-02	JUNE, 1976
JA	LARC	CFHT	118	MA22	2267,V-03	JUNE, 1976
JA	LARC	CFHT	118	MA22	2267,V-04	JUNE, 1976

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
K2	LARC	CFHT	130	LA93	2383	IN PROCESS
OZ	LARC	CFHT	85	LA3	2031	JUNE, 1973
OT	LARC	CFHT	89	MA4	2008	JAN., 1973
OT	LARC	CFHT	89	MA4	2008,R-01	MAY, 1973
PD	LARC	CFHT	96	LA11	2066	NOV., 1973
QO	LARC	CFHT	97	LA32	2168	MAY, 1974
QN	LARC	CFHT	98	LA31	2047	FEB., 1974
PF	LARC	CFHT	99	LA13	2135	CANCELLED
QS	LARC	CF4	121-137	OH45	2109	JAN., 1976
HO	LARC	CF4	220-237	LA53	2213	IN PROCESS
J5	LARC	CF4	267-268	LA78	2311	AUGUST, 1976
QM	LARC	CF4	97-118	IH18	2110	JAN., 1976
QE	LARC	HNT	28	IH19	2157	DEC., 1975
QD	LARC	HNT	30-31	OA89	2214	APRIL, 1975
HW	LARC	LARC	699	LA56	2224	MARCH, 1978
P7	LARC	LTPT	130/135	LA9	2056	NOV., 1973
PP	LARC	LTPT	138	OA17	2058	MARCH, 1974

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
PU	LARC	LTPT	141	LA23	2070	OCT., 1973
JS	LARC	LTPT	214	LA36B	2292	IN PROCESS
J2	LARC	LTPT	219	LA61	2278	CANCELLED
JE	LARC	LTPT	227	LA73A	2298	MAY, 1978
JT	LARC	LTPT	228	LA61B	2300	OCT., 1976
JP	LARC	LTPT	229	LA81	2296,V-01	AUGUST, 1976
JP	LARC	LTPT	229	LA81	2296,V-02	AUGUST, 1976
KA	LARC	LTPT	246	LA104	2387	CANCELLED
KU	LARC	LTPT	255	LA127	2441	IN PROCESS

HR	LARC	TDT	246	OS7	2363	APRIL, 1977
HR	LARC	TDT	246	OS6	2365	APRIL, 1977

OQ	LARC	UPWT	1002	MA5	2001	NOV., 1972
OV	LARC	UPWT	1007	OA7	2014	MARCH, 1973
P8	LARC	UPWT	1015	LA10	2052	NOV., 1973
P6	LARC	UPWT	1023/1034	LA8A	2054	NOV., 1973
PM	LARC	UPWT	1031	MA7	2069	JAN., 1974
PN	LARC	UPWT	1035	OA44	2057	NOV., 1974
P6	LARC	UPWT	1040	LA8C	2090	MARCH, 1974
PQ	LARC	UPWT	1041	IH16	2166	JULY, 1975

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SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
PV	LARC	UPWT	1043	0A70	2073	MARCH, 1974
PG	LARC	UPWT	1046/1049	LA14A	2106	JAN., 1975
Q6	LARC	UPWT	1056/1073	IA42A	2119	AUGUST, 1974
Q2	LARC	UPWT	1057	0A20A	2083	FEB., 1974
Q2	LARC	UPWT	1057	0A20C	2147	MAY, 1974
Q3	LARC	UPWT	1059	IH4	2138,V-01	MAY, 1976
Q3	LARC	UPWT	1059	IH4	2138,V-02	JULY, 1976
Q3	LARC	UPWT	1059	IH4	2138,V-03	JULY, 1976
Q3	LARC	UPWT	1059	IH4	2138,V-04	JULY, 1976
Q4	LARC	UPWT	1063	IA35	2108	MAY, 1974
Q7	LARC	UPWT	1071	IH1	2153	OCT., 1977
H5	LARC	UPWT	1074	LA43A/B	2199	OCT., 1976
QY	LARC	UPWT	1075	LA39	2188	IN PROCESS
H9	LARC	UPWT	1087	SA25F	2150	MARCH, 1975
H8	LARC	UPWT	1088/1119	IA44	2206	MAY, 1975
HG	LARC	UPWT	1092//1117	LA46A/B	2228	IN PROCESS
Q2	LARC	UPWT	1097	0A20B	2163	SEPT., 1974
HJ	LARC	UPWT	1101	LA49	2182	APRIL, 1977
HA	LARC	UPWT	1115	SH12F	2216	AUGUST, 1975
J4	LARC	UPWT	1118	LA63A	2270	DEC., 1975
HB	LARC	UPWT	1145	LA45A/B	2297	NOV., 1976

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
JC	LARC	UPWT	1147 /1132	LA71A/B	2271	FEB., 1977
J4	LARC	UPWT	1151	LA63B	2279	JUNE, 1976
JK	LARC	UPWT	1152	IA94A	2323	FEB., 1977
JH	LARC	UPWT	1173	LA75	2318,V-01	DEC., 1976
JH	LARC	UPWT	1173	LA75	2318,V-02	DEC., 1976
JW	LARC	UPWT	1177	IA94B	2324	FEB., 1977
KD	LARC	UPWT	1194	LA101	2390	JUNE, 1980
KR	LARC	UPWT	1207 LG2	LA124	2426	JUNE, 1978
KI	LARC	UPWT	1212	LA110	2396	DEC., 1977
KK	LARC	UPWT	1217	LA114	2399	NOV., 1977
KS	LARC	UPWT	1243	LA125	2432	OCT., 1981
KV	LARC	UPWT	1267	IA180	2457	MARCH, 1981
KX	LARC	UPWT	1270	LA122	2446	IN PROCESS
7A	LARC	UPWT	1299	LA131	2478,V-01	AUGUST, 1980
7A	LARC	UPWT	1299	LA131	2478,V-02	AUGUST, 1980
7A	LARC	UPWT	1299	LA131	2478,V-03	AUGUST, 1980
7B	LARC	UPWT	1311	OA255	2498	AUGUST, 1983
7H	LARC	UPWT	1345 /1390	LA145	2336	MAY, 1983
P1	LARC	UPWT	995 /1014	LA4	2033	JULY, 1973

J7	LARC	V/STOL	114	OA155	2237	IN PROCESS

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
JF	LARC	V/STOL	129	CA8	2290,V-01	NOV. ,	1976
JF	LARC	V/STOL	129	CA8	2290,V-02	NOV. ,	1976
JF	LARC	V/STOL	129	CA8	2290,V-03	NOV. ,	1976
JU	LARC	16TT	312	OA224	2329	AUGUST ,	1981
KP	LARC	16TT	325	OA270B/C	2419	SEPT. ,	1978
KN	LARC	16TT	326	OA270A	2430,V-01	MARCH ,	1981
KN	LARC	16TT	326	OA270A	2430,V-02	MARCH ,	1981
KN	LARC	16TT	326	OA270A	2430,V-03	MARCH ,	1981
KW	LARC	16TT	341	LA132	2471	JAN. ,	1981
KY	LARC	16TT	342	LA140	2475	AUGUST ,	1980
D6	LARC	16TT	390	LA301	2523	IN PROCESS	
PH	LARC	2OHT6	441	LA15	2079	APRIL ,	1974
HN	LARC	2OHT6	6458	LA52	2220,V-08	DEC. ,	1984
KZ	LARC	2OHT6	6546	LA141A/B	2477	JUNE ,	1981
7E	LARC	2OHT6	6559	OA257	2466,V-01	JULY ,	1983
7E	LARC	2OHT6	6559	OA257	2466,V-02	JULY ,	1983
ON	LARC	22HT	405	LA22	2034	JULY ,	1973
OS	LARC	22HT	409	MA2	2003	APRIL ,	1973

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
OY	LARC	22HT	411	LA2	2023	JUNE, 1973
P2	LARC	22HT	413	LA5	2036	AUGUST, 1973
PT	LARC	22HT	415	OA72	2092	NOV., 1974
QC	LARC	22HT	422	OA88	2125	SEPT., 1974
H3	LARC	22HT	426	LA40	2176	MAY, 1978
HE	LARC	22HT	431	OA109	2205	MAY, 1975
J8	LARC	22HT	439	LA68	2256	IN PROCESS
JY	LARC	22HT	445	LA85	2343	DEC., 1981
PZ	LARC	26TBT	544	OS2	2067	AUGUST, 1973
QT	LARC	26TBT	545	OS1	2094	MARCH, 1974
HF	LARC	26TBT	547	IS4	2146	APRIL, 1974
H7	LARC	60VS	R3289	OA99	2172	OCT., 1974
JN	LARC	71OHST	999	LA80	2299	JUNE, 1977
OU	LARC	8TPT	626	LA1	2002	MARCH, 1973
P4	LARC	8TPT	643	LA6	2040	AUGUST, 1973
P5	LARC	8TPT	644	LA7A	2041	OCT., 1973
PC	LARC	8TPT	648	LA17	2046	AUGUST, 1973

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
PS	LARC	8TPT	655	SA2FA	2088	JULY, 1974
P5	LARC	8TPT	657/660	LA7B	2091	MARCH, 1975
Q1	LARC	8TPT	661	OA25	2089	APRIL, 1974
Q8	LARC	8TPT	667	IA41	2118	AUGUST, 1974
QZ	LARC	8TPT	668	OA106	2120	JAN., 1975
QX	LARC	8TPT	669	LA38A	2121	CANCELLED
QX	LARC	8TPT	676	LA38B	2239	IN PROCESS
H6	LARC	8TPT	677	LA44	2200	OCT., 1976
HI	LARC	8TPT	680	LA48	2184	APRIL, 1977
HV	LARC	8TPT	684	LA51	2183	FEB., 1977
HU	LARC	8TPT	686	OA116	2186	JAN., 1975
HM	LARC	8TPT	687	OA102	2229	FEB., 1975
HC	LARC	8TPT	693	IA43	2204	MAY, 1975
HZ	LARC	8TPT	703	LA59	2233	JUNE, 1977
J1	LARC	8TPT	704	LA60A	2259	CANCELLED
J9	LARC	8TPT	714	LA69	2257	SEPT., 1977
KB	LARC	8TPT	715	LA60B	2260	IN PROCESS
J3	LARC	8TPT	717	LA62	2264	DEC., 1975
JD	LARC	8TPT	740	LA72	2309	NOV., 1976
JJ	LARC	8TPT	749	IA93	2326,V-01	JAN., 1977
JJ	LARC	8TPT	749	IA93	2326,V-02	FEB., 1977

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
J6	LARC	8TPT	758	LA91	2352	JAN., 1978
K1	LARC	8TPT	764	LA92	2362	IN PROCESS
K9	LARC	8TPT	769	LA99	2373	MARCH, 1981
KC	LARC	8TPT	776	LA106	2379	IN PROCESS
KE	LARC	8TPT	779	IA244	2391	MARCH, 1982
KF	LARC	8TPT	780	LA107	2381	JUNE, 1983
KH	LARC	8TPT	780	LA113	2397	APRIL, 1982
KJ	LARC	8TPT	786	LA111	2395	JAN., 1978
KL	LARC	8TPT	803	LA115	2409	SEPT., 1981
KM	LARC	8TPT	804	LA116	2411	IN PROCESS
KQ	LARC	8TPT	813	LA117	2425	IN PROCESS
7C	LARC	8TPT	905,6,7,9	OS53A	2503	JULY, 1982
OX	LARC	8VDHT	3619/3670	OH40	2049	JULY, 1973
P3	LARC	8VDHT	3778//3855	OH41	2075	OCT., 1973
P9	LARC	8VDHT	4060//4079	OH41A	2076	OCT., 1973
PA	LARC	8VDHT	4080/4105	OH42A	2101	JAN., 1974
QR	LARC	8VDHT	4502-4601	OH46	2350	APRIL, 1977
PB	LARC	8VDHT	624	LA16	2043	JUNE, 1973
PD	LARC	8VDHT	644	OH13	2096	AUGUST, 1974
PR	LARC	8VDHT	646/647	IH17	2105	SEPT., 1976

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
QL	LARC	BVDHT	648	OH14	2117	SEPT., 1976
PK	LARC	BVDHT	653	LA20	2107	MARCH, 1975
GG	LERC	SPF		OH64	2288	NOV., 1977
GE	LERC	10SWT	035	SA6F	2161	FEB., 1975
GF	LERC	10SWT	038	IH34	2282	APRIL, 1978
GK	LERC	10SWT	041	IH39	2435	OCT., 1978
GY	LERC	10SWT	042	OA234	2400	OCT., 1980
GZ	LERC	10SWT	044	IH83	2440	FEB., 1979
GI	LERC	10SWT	045	IH11	2428,V-01	FEB., 1981
GI	LERC	10SWT	045	IH11	2428,V-02	FEB., 1981
GI	LERC	10SWT	045	IH11	2428,V-03	FEB., 1981
GI	LERC	10SWT	045	IH11	2428,V-04	FEB., 1981
A4	LERC	10SWT	074	OA310B	2459,V-02	AUGUST, 1984
A4	LERC	86SWT	046	OA310A	2459,V-02	AUGUST, 1984
DE	LTV	HSWT	458	IA4	2015,V-01	JULY, 1973
DE	LTV	HSWT	458	IA4	2015,V-02	JULY, 1973
FO	LTV	HSWT	488	OA84	2037	SEPT., 1974

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
QB	LTV	HSWT	498	LA28	2280	JAN., 1976
HY	LTV	HSWT	512	LA58	2215	FEB., 1976
FD	LTV	HSWT	552	LA67	2266	JULY, 1976
FE	LTV	HSWT	559	CA26	2273,V-01	MAY, 1976
FE	LTV	HSWT	559	CA26	2273,V-02	JUNE, 1976
FE	LTV	HSWT	559	CA26	2273,V-03	JUNE, 1976
FE	LTV	HSWT	559	CA26	2273,V-04	JUNE, 1976
FE	LTV	HSWT	559	CA26	2273,V-05	JUNE, 1976
FI	LTV	HSWT	573	LA76	2305,V-01	JUNE, 1977
FI	LTV	HSWT	573	LA76	2305,V-02	JUNE, 1977
FR	LTV	HSWT	611	LA109	2394	IN PROCESS
KY	LTV	HSWT	646	LA128	2442	IN PROCESS
FS	LTV	HSWT	742	LA144	2484	IN PROCESS
FG	LTV	LSWT	422	MA14	2283	NOV., 1976
DD	LTV	1520SWT	S-081	MA1	2004	NOV., 1972
1E	MSFC	HRWT	033	SA29F	2207	JULY, 1976
1F	MSFC	HRWT	034	SA13F	2277	JULY, 1976
1T	MSFC	HRWT	039	SA31F	2369	FEB., 1982

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
1U	MSFC	IPBF	027	OH8	2382	NOV., 1977
6C	MSFC	TWT	668	IA603	2416	JUNE, 1981
72	MSFC	14TWT	545	IA1B	2010	MAY, 1973
79	MSFC	14TWT	554	SA1F	2012	APRIL, 1973
76	MSFC	14TWT	555	OA1	2005	NOV., 1972
77	MSFC	14TWT	556	IA1A	2006	DEC., 1972
78	MSFC	14TWT	558	MA9F	2011	APRIL, 1973
80	MSFC	14TWT	565	SA3F	2025	MAY, 1973
81	MSFC	14TWT	566	IA31F	2026	SEPT., 1973
82	MSFC	14TWT	567	IA32FB	2027,V-01	SEPT., 1975
82	MSFC	14TWT	567	IA32FB	2027,V-02	OCT., 1975
82	MSFC	14TWT	567	IA32FB	2027,V-03	OCT., 1975
84	MSFC	14TWT	568	OA47	2029	MAY, 1973
83	MSFC	14TWT	570	IA31FB	2028,V-01	DEC., 1974
83	MSFC	14TWT	570	IA31FB	2028,V-02	DEC., 1974
85	MSFC	14TWT	571	IA6A	2039	MARCH, 1974
86	MSFC	14TWT	572	SA5F	2051	AUGUST, 1973
90	MSFC	14TWT	573	IA31FC	2072	JAN., 1974
87	MSFC	14TWT	574	OA48	2055,V-01	SEPT., 1973

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
87	MSFC	14TWT	574	0A48	2055,V-02	SEPT., 1973
87	MSFC	14TWT	574	0A48	2055,V-03	NOV., 1973
91	MSFC	14TWT	578	SA10F	2087	SEPT., 1974
88	MSFC	14TWT	579/580	IA37	2063	NOV., 1973
92	MSFC	14TWT	581	0A49	2095	SEPT., 1974
1B	MSFC	14TWT	582	IS6A	2158	OCT., 1976
99	MSFC	14TWT	583	TA1F	2145	OCT., 1974
98	MSFC	14TWT	584	IA52	2042	MARCH, 1974
93	MSFC	14TWT	585	IA37B	2093	MARCH, 1974
97	MSFC	14TWT	587	FA4	2142	AUGUST, 1974
96	MSFC	14TWT	588	IA53	2123	JAN., 1975
94	MSFC	14TWT	589	IA62F	2103	APRIL, 1974
95	MSFC	14TWT	590/595	SA26F	2111	NOV., 1974
1C	MSFC	14TWT	594	IA33	2174,V-01	NOV., 1975
1C	MSFC	14TWT	594	IA33	2174,V-02	NOV., 1975
1C	MSFC	14TWT	594	IA33	2174,V-03	NOV., 1975
1A	MSFC	14TWT	596	TA2F	2165,V-01	DEC., 1975
1A	MSFC	14TWT	596	TA2F	2165,V-02	DEC., 1975
1A	MSFC	14TWT	596	TA2F	2165,V-03	DEC., 1975
1A	MSFC	14TWT	596	TA2F	2165,V-04	JAN., 1976
1A	MSFC	14TWT	596	TA2F	2165,V-05	DEC., 1975

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
1D	MSFC	14TWT	599	OA108	2190	JUNE, 1975
1L	MSFC	14TWT	600	FA14	2274	FEB., 1976
1I	MSFC	14TWT	603	SA28F	2244	AUGUST, 1977
1H	MSFC	14TWT	604	SA8F	2223	JULY, 1975
1M	MSFC	14TWT	607	OA131	2232	JUNE, 1975
1G	MSFC	14TWT	609	TA3F	2208,V-01	JAN., 1976
1G	MSFC	14TWT	609	TA3F	2208,V-02	JAN., 1976
1K	MSFC	14TWT	610	IA71	2227	NOV., 1975
1J	MSFC	14TWT	611	SA30F	2235	NOV., 1975
1D	MSFC	14TWT	620	SA14FA	2325	NOV., 1976
1N	MSFC	14TWT	622	IA125	2253	JAN., 1976
IP	MSFC	14TWT	640	SA14FB	2310,V-01	AUGUST, 1977
IP	MSFC	14TWT	640	SA14FB	2310,V-02	AUGUST, 1977
1Q	MSFC	14TWT	641 /646	IA140A/B	2335	DEC., 1979
1R	MSFC	14TWT	645	SA21F	2345	OCT., 1978
1U	MSFC	14TWT	649	IA181	2406	JULY, 1982
1X	MSFC	14TWT	652	FA25	2437	FEB., 1979
1Y	MSFC	14TWT	655	FA27	2460	IN PROCESS
1Z	MSFC	14TWT	656	FA28	2474	JULY, 1981
6A	MSFC	14TWT	658	IA600	2479	IN PROCESS
6B	MSFC	14TWT	665	IA602	2481	JUNE, 1983

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
A6	MSFC	14TWT	692	FA301	2514	JULY, 1984
D1	MSFC	14TWT	695	IA301	2518	IN PROCESS
DF	NRLAD	LSWT	689	OA2	2016	APRIL, 1973
DG	NRLAD	LSWT	690	OA5	2017	APRIL, 1973
DH	NRLAD	LSWT	693	IA3	2018	JUNE, 1973
DI	NRLAD	LSWT	694	OA6	2019	JUNE, 1973
DJ	NRLAD	LSWT	696	OA9	2020	JUNE, 1973
DK	NRLAD	LSWT	698	OA10	2022	JUNE, 1973
DL	NRLAD	LSWT	699	OA45	2021,V-01	NOV., 1973
DL	NRLAD	LSWT	699	OA45	2021,V-02	OCT., 1973
DM	NRLAD	LSWT	700	OA14	2030	AUGUST, 1973
DN	NRLAD	LSWT	701	OA16	2038	FEB., 1974
DO	NRLAD	LSWT	704	OA18	2045	SEPT., 1973
DP	NRLAD	LSWT	705	OA21B	2053,V-01	DEC., 1973
DP	NRLAD	LSWT	705	OA21B	2053,V-02	FEB., 1974
DS	NRLAD	LSWT	708	OA71A	2068	DEC., 1973
DT	NRLAD	LSWT	709	OA57A	2074	OCT., 1974
DQ	NRLAD	LSWT	711	OA69	2081,V-01	JAN., 1976
DQ	NRLAD	LSWT	711	OA69	2081,V-02	JAN., 1976
DU	NRLAD	LSWT	712	OA71C	2086	FEB., 1974

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
DV	NRLAD	LSWT	713	OA57B	2080,V-01	OCT., 1974
DV	NRLAD	LSWT	713	OA57B	2080,V-02	OCT., 1974
DW	NRLAD	LSWT	715	OA62A	2097	JUNE, 1974
DX	NRLAD	LSWT	716	OA86	2114	JUNE, 1974
DZ	NRLAD	LSWT	717	OA62B	2104,V-01	JULY, 1974
DX	NRLAD	LSWT	717	OA62B	2104,V-02	AUGUST, 1974
F2	NRLAD	LSWT	719	OA37	2140	SEPT., 1974
F5	NRLAD	LSWT	721	OA110	2155	SEPT., 1974
F6	NRLAD	LSWT	724	OA118	2139	OCT., 1974
F8	NRLAD	LSWT	726	OA119A	2187	NOV., 1974
F9	NRLAD	LSWT	730	OA119B	2203	APRIL, 1975
FA	NRLAD	LSWT	731	OA123	2202	APRIL, 1975
FB	NRLAD	LSWT	736	OA124	2209	JUNE, 1975
FC	NRLAD	LSWT	737	OA143	2221	JULY, 1975
FF	NRLAD	LSWT	751	OA163	2289,V-01	DEC., 1976
FF	NRLAD	LSWT	751	OA163	2289,V-02	DEC., 1976
FF	NRLAD	LSWT	751	OA163	2289,V-03	DEC., 1976
FF	NRLAD	LSWT	751	OA163	2289,V-04	DEC., 1976
FG	NRLAD	LSWT	752	OA172	2294,V-01	JUNE, 1981
FG	NRLAD	LSWT	752	OA172	2294,V-02	JUNE, 1981
FJ	NRLAD	LSWT	754	OA176	2314	FEB., 1981

SPACE SHUTTLE FACILITY WIND TUNNEL SUMMARY

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
FL	NRLAD	LSWT	757	OA228	2322	NOV., 1981
FM	NRLAD	LSWT	759	OA236	2337	DEC., 1979
FN	NRLAD	LSWT	764	OA238	2351	JAN., 1982
FO	NRLAD	LSWT	766	OA223	2402	NOV., 1978
FP	NRLAD	LSWT	768	OA163B	2361,V-01	OCT., 1977
FP	NRLAD	LSWT	768	OA163B	2361,V-02	OCT., 1977
FQ	NRLAD	LSWT	775	OA250	2392	DEC., 1977
D2	NRLAD	LSWT	838	OA309	2519	OCT., 1984
DR	NRLAD	7TWT	276	OA68	2061	DEC., 1973
DY	NRLAD	7TWT	278	OA91	2116	APRIL, 1974
F3	NRLAD	7TWT	280	IA69	2122	DEC., 1974
F4	NRLAD	7TWT	281	IA68	2144	NOV., 1974
F7	NRLAD	7TWT	282	IA70	2175,V-01	DEC., 1974
F7	NRLAD	7TWT	282	IA70	2175,V-02	DEC., 1974
F7	NRLAD	7TWT	282	IA70	2175,V-03	DEC., 1974
FK	NRLAD	7TWT	297	IA141	2315	AUGUST, 1976
GJ	NSWC		1310	OA171	2433	OCT., 1978
JM	NSWC	8A	1275	LA79	2291	IN PROCESS

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE	
GM	TBCA	BTWT	1431	CA5	2211,V-01	SEPT.,	1975
GN	TBCA	BTWT	1431	CA20	2217,V-01	JAN.,	1976
GM	TBCA	BTWT	1431	CA5	2211,V-02	SEPT.,	1975
GN	TBCA	BTWT	1431	CA20	2217,V-02	JAN.,	1976
GM	TBCA	BTWT	1431	CA5	2211,V-03	SEPT.,	1975
GN	TBCA	BTWT	1431	CA20	2217,V-03	JAN.,	1976
GP	TBCA	BTWT	1472	CA6	2262,V-01	NOV.,	1976
GP	TBCA	BTWT	1472	CA6	2262,V-02	NOV.,	1976
GQ	TBCA	BTWT	1477	CA9	2268,V-01	JUNE,	1979
GQ	TBCA	BTWT	1477	CA9	2268,V-02	JUNE,	1979
GQ	TBCA	BTWT	1477	CA9	2268,V-03	JUNE,	1979
GQ	TBCA	BTWT	1477	CA9	2268,V-04	JUNE,	1979
GQ	TBCA	BTWT	1477	CA9	2268,V-05	JUNE,	1979
GV	TBCA	BTWT	1490/1493	CS4/5	2341	OCT.,	1976
GR	TBCA	BTWT	1496 /1497	CA14A	2307,V-01	SEPT.,	1981
GR	TBCA	BTWT	1496 /1497	CA14A	2307,V-02	SEPT.,	1981
.....							
GL	UW	LSWT	1136	CA3	2201	DEC.,	1981
GO	UW	LSWT	1146	CA11	2236	DEC.,	1975
GU	UW	LSWT	1170	CS3	2338	NOV.,	1976
GS	UW	LSWT	1173	CA15A	2347,V-01	JUNE,	1980
.....							

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TEST CODE	FACILITY	SUBFACILITY	TEST NO.	NASA SERIES NO.	DMS-DR-	PUBLICATION DATE
GT	UW	LSWT	1178	CA15B	2348,V-01	JUNE, 1980
GW	UW	LSWT	1184	CA17	2349	NOV., 1977

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